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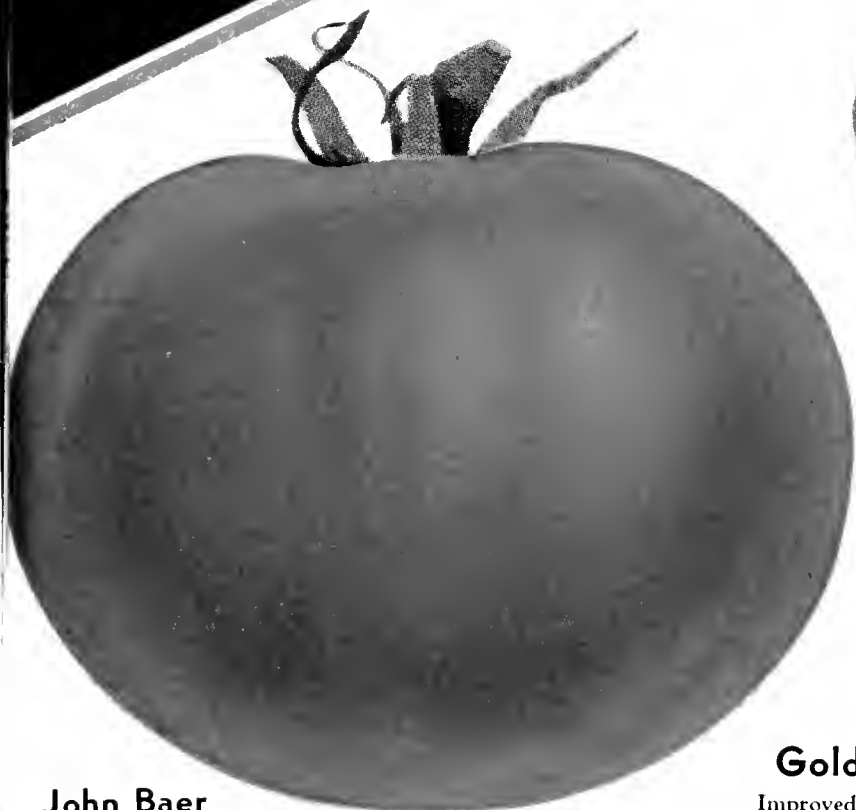
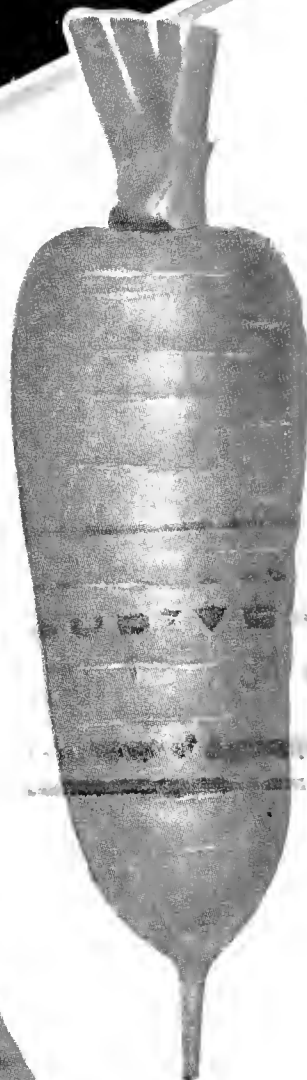
ROSS SEEDS

Farm Machinery
Poultry Supplies
Insecticides
Fertilizers
Tools

1934

Danvers Carrot

Fine market garden strain.
Best for home garden.
See page 13. Pkt.,
10c; oz., 20c; $\frac{1}{4}$
lb., 50c; lb.,
\$1.75.



John Baer Tomato

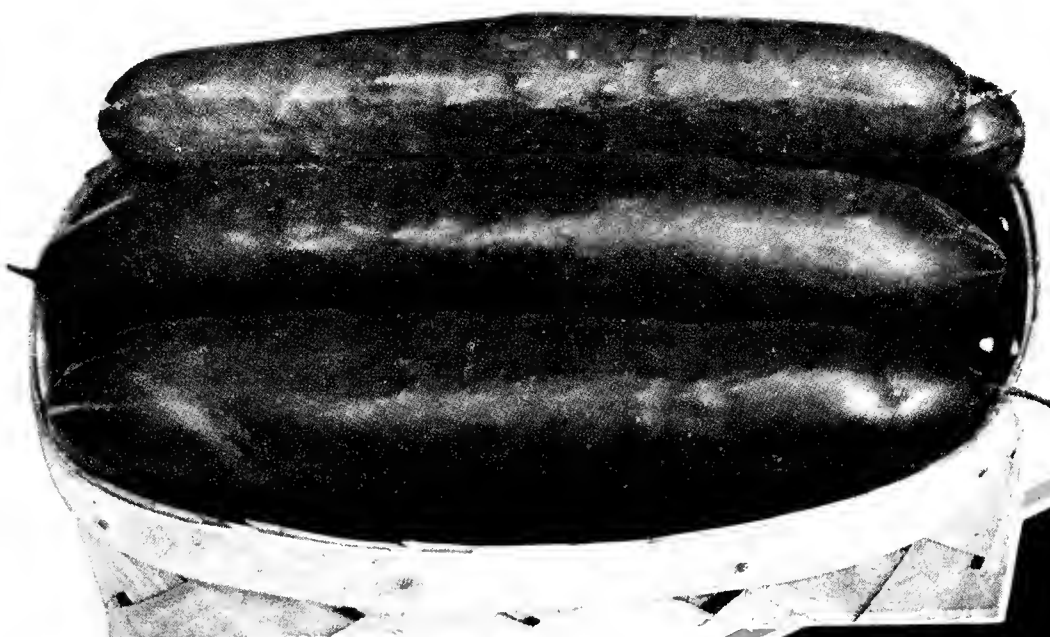
Extra early scarlet fruit, hardy and very productive. See page 26. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

Golden Bantam

Improved strain of the most famous sweet corn in the world. See page 8. Pkt., 15c; lb., 25c; 2 lbs., 45c.



VEGETABLE
SEED TRIALS
HORTICULTURE



Imperator Cucumber

A perfect market strain, dark green, crisp and firm, very few seeds. $8\frac{1}{2}$ to 10 in. long. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

ROSS
BROS.
CO.

WORCESTER, MASS.

THE LAWN—

Green Carpet of the Outdoors

*You can have a beautiful
lawn with ROSS' High
Quality Lawn Grass Seed*

The lawn is the green carpet of the "out-door living room" and the entire appearance of the planting is either made or spoiled by its appearance. It is the basis and the most important part of the entire planting and should be created carefully, and maintained religiously.

Use Quality Lawn Seed

There are only a very few kinds of grasses suitable for lawns. Seeds of these fine kinds are much more expensive than the seeds of other less desirable grasses, most of which make good hay, but do not make good lawns. The cheap seeds will often grow and cover the ground with green, but eventually the lawn will deteriorate and have to be remade, which is a very expensive and troublesome thing to do.

The Best Results are obtained by sowing the seed quite thickly, one pound or quart to 200 or 300 square feet, but sowing one pound on 400 to 500 square feet will make an excellent lawn although not quite as quickly.

To Renew Old Lawns, rake thoroughly, stirring the ground as much as possible without killing the grass. All moss and weeds should be removed as far as possible. Sow half as much grass seed as recommended for seeding a new lawn. After seeding, the lawn should be rolled.

Worcester Lawn Seed

The Worcester Lawn Seed is our own mixture made from a formula which has been given a great deal of careful study and we are positive that no better general purpose lawn seed can be made. If this is used the lawn will be ready for the first cutting in about five weeks and with reasonable care an excellent lawn can be maintained for years. We advise using 140 to 160 pounds per acre. Price, lb., 45c; 2 lbs., 90c; 5 lbs., \$2.00; 10 lbs., \$3.75; 100 lbs. \$35.00.

CEMETERY MIXTURE. Price, lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75; 100 lbs., \$25.00.

BANKING and TERRACE MIXTURE. Price, lb., 45c; 2 lbs., 90c; 5 lbs., \$2.00; 10 lbs., \$3.75; 100 lbs., \$35.00.



**EVERYBODY KNOWS
ROSS'
SEED GROWS**

ROSS BROS. COMPANY

179-181 Commercial Street

Worcester, Mass.

JANUARY, 1934

1843

91ST YEAR OF ROSS' SEEDS

1934

To our many customers and friends we send best wishes for the year 1934.

The twelve months that have passed since our 1933 Annual Catalogue was sent to you have been perhaps the most trying of all times to our people as a whole. It would have been extremely difficult for any of us either as an individual or as a business concern to forecast the events that have occurred during that period. To many of us these times have been a severe test to our American courage but we have withstood the test. Prices of farm products have as a whole been better during 1933 than the two years previous and we look forward now to even better prices for Agricultural products during 1934.

We are now going to accept Old Man Depression as a thing of the past.

Vegetable and Flower Seeds

For more than ninety years our company has been engaged in the business of supplying the farmer, gardener and home owner with seeds and most of the other items of which they are constantly in need. At each season we have offered varieties of both vegetable and flower seeds which we have found after careful trial to be the best. Some varieties are offered because of early production without serious regard for quality; others because they are especially adapted to the home garden and still others because of their extreme quality without thought for the season of production. We also offer this year some new varieties which we do not hesitate to recommend and we suggest these be given a trial in 1934.

Grass Seeds

Perhaps we need not comment on the grass seeds which we sell, however, we are especially anxious for everyone to know that those offered by us are as high a grade, both in purity and germination, as it is possible to obtain with the most modern seed cleaning machinery. It makes no difference whether seed is to be used on the back lawn or on the putting green, there is no grass seed of better quality than that which we offer.

Prices

As our catalogue goes to press early in the season we find it difficult to maintain quoted prices throughout the entire year, and although we do not anticipate rising prices, all prices quoted are subject to change without notice.



ROSS BROS. CO.

Richard A. Hagg
PRESIDENT

DIRECTIONS FOR ORDERING

PLEASE USE OUR ORDER SHEET. It will be a help to us in filling your order correctly. If you desire to write us, use a separate sheet of paper. Be sure to give your full name and address on all orders and letters.

KEEP A COPY OF YOUR ORDER. Sometimes customers complain of not receiving goods which were not ordered. If goods ordered do not reach you in a reasonable time, advise us and send us a copy of your order.

HOW TO SEND MONEY. Remittances can be sent safely by Post Office Money Order, Bank Draft, Express Money Order, Check or by Registered Letter. We do accept stamps for small amounts.

Do not send coins loose in an envelope as they may break through. If bills are sent, your letter should be registered.

ORDER EARLY—We endeavor to fill all orders as soon as received, but during the rush season of April and May, delays are sometimes unavoidable. This, however, can be partly overcome if our patrons will send us their orders early.

FREE DELIVERY—We deliver postpaid to any Post Office in the United States, Vegetable and Flower Seeds in packets, ounces, quarter pounds and pounds, at prices quoted in this catalogue for such quantities. If larger quantities are wanted by Parcel Post, postage **MUST BE SENT.** See Parcel Post rates.

GRASS AND FIELD SEEDS—All Grass and Field Seeds, Onion Sets and Potatoes are shipped only at purchaser's expense by express or freight, as ordered. Prices quoted in this catalogue are F. O. B. Worcester. Small quantities of Grass or Field Seeds sent by Parcel Post if postage is added at parcel post rates.

NOTICE—While it is not our custom to substitute, we feel that in the event of our being sold out of any variety it would be to the advantage of our patrons to allow us this privilege, for, if on receipt of any substitute it is not perfectly satisfactory, the same may be returned and money paid will be refunded.

Telegraph your order with Western Union Money Transfer and goods will be shipped same day order is received.

ERRORS—We use the utmost care in filling orders, yet in the press of business, errors sometimes occur in which event we wish to be promptly notified of the fact and will make such corrections as will be satisfactory.

Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control such as unfavorable weather or soil conditions, too deep or too shallow planting, which renders it impossible for us to guarantee success, and although we take all possible care to supply only such goods as will under proper condition, produce satisfactory results,—The Ross Bros. Company gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants it sells and will not be responsible for the crop.

ROSS BROS. CO.

Add Postage to your order as indicated below—if required. See Free Delivery on this page.

Weight		ZONES							
Lbs.	Local	1st-2d	3d	4th	5th	6th	7th	8th	
1....	\$0.07	\$0.08	\$0.09	\$0.10	\$0.11	\$0.12	\$0.14	\$0.15	
2....	.08	.10	.11	.14	.17	.19	.23	.26	
3....	.08	.11	.13	.17	.22	.26	.32	.37	
4....	.09	.12	.15	.21	.27	.33	.41	.48	
5....	.09	.13	.17	.24	.33	.40	.50	.59	
6....	.10	.14	.19	.28	.38	.47	.59	.70	
7....	.10	.15	.21	.31	.43	.54	.68	.81	
8....	.11	.16	.23	.35	.49	.61	.77	.92	
9....	.11	.17	.25	.38	.54	.68	.86	1.03	
10....	.12	.18	.27	.42	.59	.75	.95	1.14	
11....	.12	.19	.29	.45	.64	.82	1.04	1.25	
12....	.13	.21	.31	.49	.70	.89	1.18	1.36	
13....	.13	.22	.33	.52	.75	.96	1.22	1.47	
14....	.14	.23	.35	.56	.80	1.03	1.31	1.58	
15....	.14	.24	.37	.59	.86	1.10	1.40	1.69	
16....	.15	.25	.39	.63	.91	1.17	1.49	1.80	
17....	.15	.26	.41	.66	.96	1.24	1.58	1.91	
18....	.16	.27	.43	.70	1.02	1.31	1.67	2.02	
19....	.16	.28	.45	.73	1.07	1.38	1.76	2.13	
20....	.17	.29	.47	.77	1.12	1.45	1.85	2.24	
21....	.17	.30	.49	.80	1.17	1.52	1.94	2.35	
22....	.18	.32	.51	.84	1.23	1.59	2.03	2.46	
23....	.18	.33	.53	.87	1.28	1.66	2.12	2.57	
24....	.19	.34	.55	.91	1.33	1.73	2.21	2.68	
25....	.19	.35	.57	.94	1.39	1.80	2.30	2.79	
26....	.20	.36	.59	.98	1.44	1.87	2.39	2.90	
27....	.20	.37	.61	1.01	1.49	1.94	2.48	3.01	
28....	.21	.38	.63	1.05	1.55	2.01	2.57	3.12	
29....	.21	.39	.65	1.08	1.60	2.08	2.66	3.23	
30....	.22	.40	.67	1.12	1.65	2.15	2.75	3.34	
31....	.22	.41	.69	1.15	1.70	2.22	2.84	3.45	
32....	.23	.43	.71	1.19	1.76	2.29	2.93	3.56	
33....	.23	.44	.73	1.22	1.81	2.36	3.02	3.67	
34....	.24	.45	.75	1.26	1.86	2.43	3.11	3.78	
35....	.24	.46	.77	1.29	1.92	2.50	3.20	3.89	
36....	.25	.47	.79	1.33	1.97	2.57	3.29	4.00	
37....	.25	.48	.81	1.36	2.02	2.64	3.38	4.11	
38....	.26	.49	.83	1.40	2.08	2.71	3.47	4.22	
39....	.26	.50	.85	1.43	2.13	2.78	3.56	4.33	
40....	.27	.51	.87	1.47	2.18	2.85	3.65	4.44	
41....	.27	.52	.89	1.50	2.23	2.92	3.74	4.55	
42....	.28	.54	.91	1.54	2.29	2.99	3.83	4.66	
43....	.28	.55	.93	1.57	2.34	3.06	3.92	4.77	
44....	.29	.56	.95	1.61	2.39	3.13	4.01	4.88	
45....	.29	.57	.97	1.64	2.45	3.20	4.10	4.99	
46....	.30	.58	.99	1.68	2.50	3.27	4.19	5.10	
47....	.30	.59	1.01	1.71	2.55	3.34	4.28	5.21	
48....	.31	.60	1.03	1.75	2.61	3.41	4.37	5.32	
49....	.31	.61	1.05	1.78	2.66	3.48	4.46	5.43	
50....	.32	.62	1.07	1.82	2.71	3.55	4.55	5.54	
51....	.32	.63	1.09	1.85	2.76	3.62	4.64	5.65	
52....	.33	.65	1.11	1.89	2.82	3.69	4.73	5.76	
53....	.33	.66	1.13	1.92	2.87	3.76	4.82	5.87	
54....	.34	.67	1.15	1.96	2.92	3.83	4.91	5.98	
55....	.34	.68	1.17	1.99	2.98	3.90	5.00	6.09	
56....	.35	.69	1.19	2.03	3.03	3.97	5.09	6.20	
57....	.35	.70	1.21	2.06	3.08	4.04	5.18	6.31	
58....	.36	.71	1.23	2.10	3.14	4.11	5.27	6.42	
59....	.36	.72	1.25	2.13	3.19	4.18	5.36	6.53	
60....	.37	.73	1.27	2.17	3.24	4.25	5.45	6.64	
61....	.37	.74	1.29	2.20	3.29	4.32	5.54	6.75	
62....	.38	.76	1.31	2.24	3.35	4.39	5.63	6.86	
63....	.38	.77	1.33	2.27	3.40	4.46	5.72	6.97	
64....	.39	.78	1.35	2.31	3.45	4.53	5.81	7.08	
65....	.39	.79	1.37	2.34	3.51	4.60	5.90	7.19	
66....	.40	.80	1.39	2.38	3.56	4.67	5.99	7.30	
67....	.40	.81	1.41	2.41	3.61	4.74	6.08	7.41	
68....	.41	.82	1.43	2.45	3.67	4.81	6.17	7.52	
69....	.41	.83	1.45	2.48	3.72	4.88	6.26	7.63	
70....	.42	.84	1.47	2.52	3.77	4.95	6.35	7.74	

You Can Have a Beautiful Velvety Lawn with Ross' High Quality Lawn Grass Seed

Park Lawn Seed

This also is our own mixture and while it is a first grade seed in every respect and is composed of the same varieties as are in the Worcester, they are used in a different proportion, thus allowing us to offer the Park Lawn at a price somewhat lower. This is an excellent mixture for use on large areas where constant tramping does not occur. Price, lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25; 100 lbs., \$20.00.



Shady Spot Lawn Grass Seed

It is possible to produce a lawn under almost any condition but to do this in a situation where shade predominates the greater part of the time is very difficult. A shady location requires special treatment of the soil and in almost every shady spot lime must be added, but most important is the selection of the seed. There are varieties of grass seed which thrive in shade to a much greater degree than others and it is with our knowledge of this that we supply our own Shady Spot Lawn Seed. Price, lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.25; 100 lbs., \$40.00.

Special Mixtures of Grass Seed

In addition to the several mixtures of grass seeds which we list in this catalog, we can supply grass seed in mixtures suitable for almost any purpose or location.

We will also be pleased to name prices on any special formula on request.

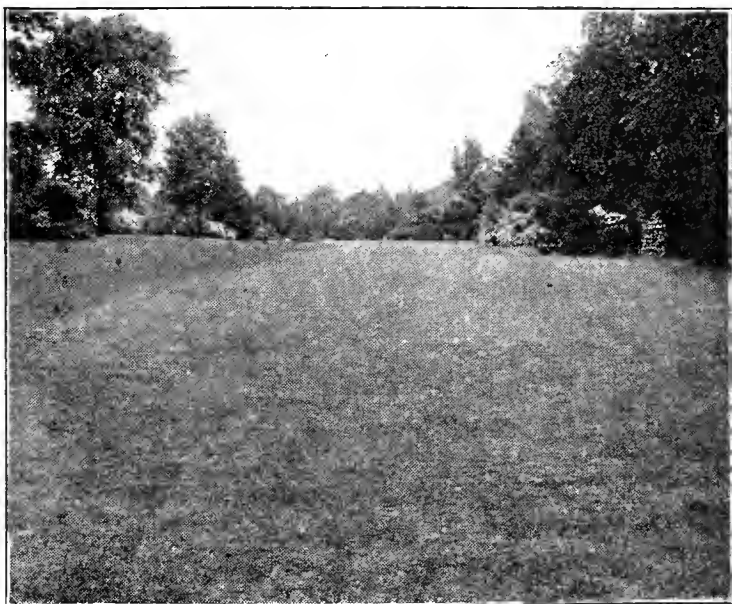
PREPARATION OF THE SOIL

Before seeding, the soil should be thoroughly spaded up, and if it is not a good, rich, garden loam, well-rotted manure should be added and spaded into the ground before the final raking. If the soil is of clay texture, mix equal parts of coarse sand with the manure before spading it in. Rake carefully, removing all stones and rubbish, and breaking up the earth finely. Roll, and rake lightly so the seed may be sown in loose earth.

GERMINATION ON ANY SEED SENT ON REQUEST.
ALSO PURITY ON
GRASS SEEDS, CLOVERS, AND ALL FIELD SEEDS.

Green Hill Lawn Mixture

We have decided to offer the Green Hill Lawn Mixture after repeated trials as we have found this to be one of the best of the solid seed mixtures. This is composed of only four varieties of grasses as follows: Creeping Bent, Rye Grass, Kentucky Blue and Red Top. These are four of the best lawn grasses known and as we use only the heaviest, cleanest seed possible to obtain, germination is assured nearly 100 per cent. From this mixture you can obtain an exceptionally quick sod and a lawn that can be maintained with very little care. Price, lb., 55c; 5 lbs., \$2.50; 10 lbs., \$4.75; 100 lbs., \$45.00.



Golf Course Mixtures

For Putting Greens and Fair Greens.

The turf on all golf courses must be given very careful attention and there are only a few varieties of grass which will withstand the constant trampling of the putting green. Both the fairways and greens require a mixture of seed which will bear very close cutting and which will produce a turf of a strong, persistent nature. Both European and American grasses are used for these purposes and we offer mixtures which are of the highest purity and germination.

Mixture for Putting Greens. Lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.75; 100 lbs., \$55.00.

Mixture for Fairways. Lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.25; 100 lbs., \$30.00.

TOP DRESSING YOUR LAWN

The lawn is often neglected by many of us, especially if it seems to be in a thriving condition. We overlook the fact that a continued, vigorous growth of any plant life results in reducing in the soil those elements which promote growth. The soil must be fed to produce best results and this is easiest accomplished by applying a top dressing. This may be done in many ways—we recommend Loma, Vigoro, V. C. Fairway, Pulverized Sheep Manure or Pulverized Poultry Manure; a liberal application of the Ground Limestone is also always recommended.

These items are listed on pages 58 and 59, giving analyses and prices.

Ross' Pure Grass Seeds

Prices of all Grass Seeds subject to market changes. Prices include bags or sacks unless otherwise noted, 25 lbs. at 100-lb. price.

BENT GRASS, SOUTH GERMAN MIXED. Sometimes referred to as Creeping Bent. Admirably adapted for lawns, also putting greens, tennis courts, etc. Lb., \$1.25; 5 lbs., \$6.00.

BENT GRASS, CREEPING (*Agrostis stolonifera*). An exceptionally fine strain of high purity and germination. Lb., \$2.00; 5 lbs., \$9.00.

BENT GRASS, RHODE ISLAND COLONIAL OR ASTORIA. Of fine growth, forming a close and permanent sod. One of the best lawn grasses and very desirable for golf courses and polo grounds. Lb., \$1.25; 5 lbs., \$6.00.

ENGLISH OR PERENNIAL RYE GRASS (*Lolium perenne*). Of rapid growth and productive; produces a strong growth in 4 to 5 weeks. Lb., 20c; 10 lbs., \$1.75.

ITALIAN RYE GRASS (*Lolium italicum*). Thrives on a variety of soils, producing early and large crops. Lb., 20c; 10 lbs., \$1.75.

KENTUCKY BLUE GRASS (*Poa pratensis*). One of the most valuable grasses for pasture and lawn, requires some time to become established, but lasts indefinitely on congenial soils. Sown with White Clover it forms a splendid lawn. Lb., 25c; 10 lbs., \$2.20; 100 lbs., \$20.00.

MEADOW FESCUE (*Festuca pratensis*). Largely used for permanent mowing mixtures. Lb., 20c; 10 lbs., \$1.50.

RED, OR CHEWINGS' FESCUE (*Festuca rubra*). Its leaves are bright green and the plant does not grow in tufts but creeps by underground stems, so that one plant may eventually cover a circle 2 to 4 feet in diameter. It is used mainly as a lawn plant. On sandy or gravelly soil it makes exquisite lawns. Lb., 35c; 10 lbs., \$3.00.

ROUGH STALKED MEADOW (*Poa trivialis*). Ideal for shade. It is a perennial and grows in soil that is moist and cool. Lb., 30c; 10 lbs., \$2.50.

CANADIAN BLUE GRASS (*Poa compressa*). A hardy perennial with creeping root-stalks which form a strong turf. Lb., 30c; 10 lbs., \$2.50.

DOMESTIC RYE GRASS. Used extensively in lawn mixtures. Lb., 20c; 10 lbs., \$1.75.

WORCESTER RED TOP, FANCY RECLEANED. This is one of the best grasses for sowing for immediate effect. Lb., 20c; 10 lbs., \$1.75; 100 lbs., \$14.00.

ORCHARD GRASS (*Dactylis glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places. Lb., 25c; 10 lbs., \$2.00.

TALL MEADOW OAT GRASS (*Avena elatior*). A very hardy species, making an early and luxuriant growth. Lb., 30c; 10 lbs., \$2.80.

TIMOTHY (*Phleum pratense*). Timothy is the standard hay of commerce.

WORCESTER GRADE. Our Worcester Grade is a seed which is of the highest quality at the start. Taken from the best fields of full ripe seed, we can assure you, that after going through the cleaning process we can guarantee a purity of 99.50 per cent. In the Worcester brand we are offering the best seed it is possible to obtain. Lb., 20c; 10 lbs., \$1.80; 100 lbs., \$12.50.

WACHUSETT GRADE. This grade is of fine quality, better than most seed offered as prime. We guarantee this 97.50 per cent pure. Lb., 20c; 10 lbs., \$1.75; 100 lbs., \$12.00.

The Worcester Mixtures of Grass Seed

For Meadows and Pastures.

PERMANENT PASTURE MIXTURE FOR MEDIUM SOIL.

Aside from permanency, an important requisite is that of continual growth from early spring until fall, and as many varieties as possible should be used which bear constant tramping and continued close grazing. This mixture is prepared with these ends in view. 40 to 50 pounds to the acre. Lb., 25c; 10 lbs., \$2.25; 100 lbs., \$20.00.

PERMANENT PASTURE MIXTURE FOR DRY, HILLY LANDS. This mixture is composed of grasses which thrive on light soil, endure long drought and bear, without injury, constant cropping. Lb., 25c; 10 lbs., \$2.25; 100 lbs., \$20.00.

PERMANENT MOWING MIXTURE FOR DRY SOIL. Contains, in large proportions, varieties which thrive on dry soil. Lb., 25c; 10 lbs., \$2.25; 100 lbs., \$20.00.

PERMANENT MOWING MIXTURE FOR MEDIUM SOIL.

This mixture will produce at first cutting a larger crop and a much heavier aftermath of hay, which, though not like timothy, salable in cities for feeding horses, is, nevertheless, superior for feeding to both cattle and horses. Lb., 25c; 10 lbs., \$2.25; 100 lbs., \$20.00.



Bokhara or Sweet Clover.

Clovers (The Best Grades)

BUILD YOUR LAND WITH CLOVERS. In the rotation of crops, clovers are most valuable, and in all sections except possibly the extreme South are indispensable.

ALSIKE OR SWEDISH CLOVER (*Trifolium hybridum*). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Lb., 30c; 10 lbs., \$2.75; 100 lbs., \$24.00.

CRIMSON CLOVER (*Trifolium incarnatum*). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. Lb., 20c; 10 lbs., \$1.75; 100 lbs., \$16.00.

MAMMOTH RED CLOVER (*Trifolium pratense perenne*). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. Lb., 30c; 10 lbs., \$2.60; 100 lbs., \$22.00.

MEDIUM RED CLOVER, AMERICAN GROWN (*Trifolium pratense*). More widely known and used than any other; used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer. Lb., 30c; 10 lbs., \$2.50; 100 lbs., \$21.00.

WHITE DUTCH OR LAWN CLOVER (*Trifolium repens*). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best. ¼ lb., 20c; ½ lb., 30c; lb., 50c; 10 lbs. or over, 45c per lb.

Sweet Clovers

The Greatest Soil Renovator, Hay and Pasture Crop.

BOKHARA OR SWEET CLOVER (*Melilotus alba*). A native of all parts of the United States and Canada. It is an erect branching biennial plant with woody stems growing the first season 2 to 3 feet high and developing a large root. The second year's growth usually reaches a height of 4 to 7 feet. Lb., 15c; 10 lbs., \$1.00; 100 lbs., \$8.50.

Inoculation for Clovers

See page 6.

Highest Quality Farm Seeds

The following stocks of Farm and Field Seeds have all been carefully selected for purity, vigor, high yield, and adaptability to conditions in this part of the country. They conform in all respects with the various State Seed Laws. We will be pleased to quote you latest prices by return mail, on receipt of your inquiry.



Barley

WHITE HULLESS. About two weeks earlier than the common type. Closely resembles wheat, is about as heavy and is said to be nearly equal to it in feeding value. It has neither hulls nor beards. Price, pk., 70c; bu., \$2.50.

CHEVALIER. A two-rowed variety. Head is a little longer than the six-rowed varieties and the grain is larger, plump, extra heavy and in favorable seasons nearly white. Price, pk., 50c; bu., \$1.75.

MANSURY. In our section this six-rowed variety is largely grown for forage. It yields abundantly. It is early and very vigorous in growth. The straw is strong and stiff and seldom lodges. Price, pk., 50c; bu., \$1.75.

VELVET. Velvet Barley is a spring, bearded variety; the beards are smooth and no barbs. The yield is not quite so large as the Common Bearded Spring Barley, but the advantage of Velvet Barley offsets that. It is reported to us that the Velvet Barley straw is suitable for feed and the crop handles as nicely as oats. Sow two bushels to the acre. Price, pk., 60c; bu., \$2.00.

Dwarf Essex Rape

Culture. Rape is best adapted to moist, rich soil in which there is plenty of humus. Slough lands are especially good. It grows best in cool, moist weather and the time for sowing depends upon when the crop is to be used. When wanted for pasture, allow 8 to 10 weeks for it to attain maximum growth. Price, lb., 12c; 10 lbs. \$1.00; 100 lbs., \$9.00.

Mammoth Russian Sunflower FOR THE SILO

We believe every farmer, stockman and dairyman who must grow feed crops should plant a small area with Sunflower. Start now to become familiar with this crop, which is destined to be a prominent feed in economical stock feeding. Price, lb., 15c; 100 lbs., \$10.00.

Sudan Grass

Sudan Grass is strictly an annual and dies each year like millet. From seven to nine feet high, with very small stems. Stock prefer it. Sow 10 to 15 lbs. per acre. Price, lb., 12c; 10 lbs., \$1.00; 100 lbs., \$7.50.

Alfalfa - Dependable Varieties

Dependable Varieties—The Farmers' Hay Insurance.
Sow 15 to 25 lbs. per acre.

As a soil builder the Experiment Stations tell us that it adds twice as much nitrogen to the soil as the average acre of Red Clover.

COMMON. Requires well drained land and an abundant application of lime previous to sowing. August is the best time to sow. Price, lb., 28c; 25 lbs. or more, 23c per lb.

GRIMM. Only a few strains of Alfalfa equal, and none excel true Grimm Alfalfa in hardiness. It is the safest type to sow wherever there is trouble from winter killing. Price, lb., 30c; 25 lbs. or more, 24c per lb.

Use Inoculation for Alfalfa.

Buckwheat

JAPANESE. Entirely distinct from all other varieties. It has the advantage of remaining some time in bloom and produces seed earlier. It resists drought and blight better than most varieties. Price, pk., 50c; bu., \$1.65.

Cow Peas

NEW ERA. An old stand-by which makes splendid hay. Matures in 60 to 75 days and does splendidly as far north as Minnesota. Vines are smaller than other varieties and are more easily cured. Pk., \$1.10; bu., \$4.00.

WHIP-POOR-WILL. A medium-early variety, very desirable for a forage crop and for rebuilding worn out land. A very prolific yielder and the most commonly used variety for planting broadcast. Pk., \$1.10; bu., \$4.00.

Canada Field Peas

CANADA PEAS may also be sown with other grains as well as with oats, and are sometimes sown in August with Barley. They are also sometimes sown alone. Choice stock for seed. Lb., 10c; 10 lbs., 80c; 100 lbs., \$7.00.

Selected Seed Oats

ROSS "SWEDISH SELECT." Extra re-cleaned seed. Briefly described the Oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land. Seed weighs 40 lbs. per measured bushel. **Price, pk., 30c; bu. (32 lbs.), \$1.05; 3 bus. (full bag and over), \$1.00 per bu.**

LONG'S WHITE TARTAR. The ideal side Oat for American Farmers. The earliest, heaviest and most prolific domestic grown Side Oat in cultivation. It is suitable for all soils; of robust and vigorous constitution, is remarkably early and an immense cropper; the straw is long and stout, stands up well and does not readily lodge or twist. The heads measure from 8 to 10½ inches, and the kernels are of immense size, thick, plump and heavy; it is undoubtedly the heaviest cropping domestic white Oat ever offered. **Price, pk., 40c; bu. (32 lbs.), \$1.35.**

Rye

SPRING RYE. True stock, Spring Rye makes an excellent crop where winter grain has been killed out, or for sowing where a fall crop has not been planted. If desired it can be turned under and made to answer a good purpose in adding to the fertility of the soil. Sow seed same time as other spring grain. **Price, pk., 75c; bu., \$2.50.**

ROSEN WINTER RYE. Rosen Rye produces a strong vigorous straw and stools to a remarkable degree. The grain is large, plump, heavy and of a beautiful color, commanding a premium on the market over other grains. Owing to its vigorous stooling property less seed is required, the practice being about one and one-half bushels per acre. We believe that Rosen Rye is cheaper to sow even at double the price of common Rye, for the excess yield will more than pay for the seed, not to mention the better quality and high price to be obtained for the crop. **Price, pk., 50c; bu., \$1.75; 10 bus. or over, \$1.65 per bu.**

Millets

Millets are adapted to regions of light rainfall and hot weather. Used principally for forage and valuable where Timothy is an uncertain crop. The hay is fed to dairy cows and sheep, and ranks well above Timothy.

HUNGARIAN (Hungarian Grass). An excellent food for horses when cured. Each root sends up several slender stems which often branch. The leaves grow upright, rather narrow. Heads are borne erect or nearly so, about four inches long, dark purple in color. **Price, lb., 10c; 10 lbs., 70c; 100 lbs., \$4.50.**

TENNESSEE GOLDEN. This variety is extensively used throughout the United States. It is sown at the same time and at the same rate per acre as the common Millet. Grows more vigorous, gives a much larger yield of hay than common Millet. **Price, lb., 10c; 10 lbs., 75c; 100 lbs., \$5.75.**

JAPANESE (Panicum frumentacea). It is entirely distinct from all other Millets. Grows from 6 to 9 feet high, stands up well and yields enormous crops. When cured it makes good hay and in quality is superior to corn fodder. Relished by all kinds of stock and is rich in milk-producing qualities. **Price, lb., 10c; 10 lbs., 75c; 100 lbs., \$5.50.**

Soy or Soja Beans

BLACK WILSON. Medium size, black seed. Considered the best all-around variety for the North. Of rather upright growth, with a good amount of foliage and a slight tendency to vine on fertile soil. Matures seeds in 125 days and is ready for cutting in 110 days. A heavy seed producer. **Pk., 90c; bu., \$3.25.**

MANCHU. Matures in about 110 days and is the most popular early variety. Plants erect and bushy, producing large crops of dry forage and seed. Seed light yellow with a black scar. **Pk., 85c; bu., \$3.00.**

Vetch

SPRING VETCH OR SPRING TARE. Grown for soiling, or sown with oats for feeding green. Sow, if alone, 100 pounds to the acre. **Price, lb., 15c; 10 lbs. or over, 12c per lb.**

WINTER, SAND OR HAIRY VETCH (Vicia villosa). The branches are from 3 to 6 feet long, covered with fine hairs. It is extremely hardy. Sowings may be made from August 15th to October 1st, or in the spring from April 15th to May 15th. For fall sowings we advise mixing with Mammoth Red Clover or Rye, these giving a support for the vines. Sow, if alone, 60 pounds to the acre, or with rye, 45 pounds of Vetch and 30 pounds of rye to the acre. **Price, lb., 20c; 10 lbs., \$1.70; 100 lbs., \$15.00.**

Wheat

MARQUIS (Spring Wheat). It has outyielded all other spring Wheats grown under the same conditions of soil and climate, the increased yield being up to 10 bushels per acre; is flinty and dark in color, being almost dark red. It is a beardless variety, having a smooth, yellow chaff. **Price, pk., 85c; bu., \$3.00.**

KLONDIKE (Winter Wheat). Sow early in the fall for a good firm root to survive our New England winters. Winter Wheat makes an excellent green feed, coming very early in the spring and staying in condition for feed much longer than spring or winter rye. A productive, bald, white variety, large and plump. **Price, pk., 65c; bu. (60 lbs.), \$2.30.**



SEED INOCULATION STIMUGERM

Means Better Crops, Better Soils
Less Fertilizer Expense

STIMUGERM is a culture of bacteria put up on a pure, sterilized jelly medium, in bottles. The bacteria are especially selected and bred for maximum vitality and ability to form nodules and take nitrogen from the air. STIMUGERM contains many millions of active, hardy legume bacteria, guaranteed to produce results.

STIMUGERM is economical and easy to use. Full directions for use accompany each package. STIMUGERM is dated and guaranteed for a full year.

ORDER BY NUMBER OR SEED TO INOCULATE

No. 1. Red, Mammoth, Alsike, Crimson and White Clovers.	
No. 2. Alfalfa and Sweet Clovers.	
½ bu. size	\$0.35
1 bu. size .....	.65
2½ bu. size	1.40
No. 3. All Vetches, Canada Field Peas, Sweet and Garden Peas.	
No. 8. Garden Beans, Field Beans.	
1 bu. size	\$0.35
2 bu. size .....	.65
5 bu. size	1.40
No. 7. Cow Peas, Peanuts, Lima Beans.	
No. 9. Soy Beans.	
1 bu. size	\$0.35
2 bu. size .....	.65
5 bu. size	1.40
No. 5. Garden Size for Peas, Beans and Sweet Peas .....	.25
(Add for Postage: 5c for Garden and ½ bu. sizes; larger sizes, 10c).	

Ross' High Quality Farm Seeds

Seed Corn-Dent Varieties Worcester County Sweepstakes

It is a big yellow Dent Corn, stalks very large, $1\frac{1}{2}$ to 2 inches in diameter, growing 12 to 15 feet high, foliage is long, broad and heavy, starting well down to the ground with an abundance of leaves and produces 15 to 25 tons per acre. It will mature in from 75 to 100 days in this latitude when ready for the silo, carries an exceptionally heavy crop of ears in the milk stage, making the variety ideal for this purpose. $\frac{1}{2}$ pk., 40c; pk., 65c; bu., \$2.40; 10 bu. or over, \$2.30 per bu.

Improved Leaming

The True Improved Leaming which we offer is a pure, fixed, and distinct variety, having been bred for earliness of maturity, size, shape and color, also for the amount of grain that each ear will produce. It ranks as one of the early dent corns, has a very heavy stalk growing 12 or 13 feet high and very leafy. The ears are 8 to 10 inches long, filled with medium sized but deep kernels. Pk., 55c; bu., \$2.00; 10 bu. or over, \$1.90 per bu.

Early Smoky Dent

A Dent Corn That Can be Grown in This Latitude for Grain.

It is a very hardy grower and prolific yielder for so early a corn. This corn has nice leafy stalks, averaging 8 feet in height, which very often yields 2 nice cars, measuring 8 to 10 inches in length, well filled with a good sound kernel of a dark red shade, tipped with pure white, making it a very handsome corn in appearance. $\frac{1}{2}$ pk., 35c; pk., 55c; bu., \$2.00.

Sheffield World's Prize Flint

The ear of this corn has a very compact form, usually well capped at the tip, similar to the Improved Canada. The average length of the ear is 8 to $8\frac{1}{2}$ inches, the kernels are very broad, and of dark color. This corn exceeds in proportion of corn to cob any other variety.

Owing to the fact that Sheffield Corn will mature in a short season and also give a minimum quantity of forage, it is being used quite generally for silage in the states of New Hampshire and Vermont. $\frac{1}{2}$ pk., 40c; pk., 65c; bu., \$2.50.

Early Canada Flint

Improved strain. This strain is in most respects identical with the original, but the ears are longer and stalks are of slightly larger growth. Ears of the original are about 6 inches in length while of this strain they are about 2 inches longer, and of similar or nearly identical strains known as Early Greenfield, Deerfield and Connecticut Valley, ears are often 9 inches or longer. $\frac{1}{2}$ pk., 40c; pk., 65c; bu., \$2.50.

Sanford White Flint

It is an 8-rowed white flint variety, the popular type in Rhode Island, being cultivated there almost to the exclusion of the yellow flint. The ear of the strain which is more generally grown there and which we offer as the Rhode Island strain, is of about the same size as the Improved Canada, resembles it very closely, except in color, having the same broad kernel and well-filled tip and ripens with or very close to it. The variety is rather more leafy than the other flint varieties which is doubtless the reason for its popularity for ensilage in the northern part of New England. $\frac{1}{2}$ pk., 40c; pk., 65c; bu., \$2.50.

Longfellow Flint

This, for a long time, has been very popular in southern New England. Ears are 8-rowed and of remarkable length—12 to 14 inches, with occasionally one 15 inches. Stalks are considerably taller than the Improved Canada, but not so large but that they make excellent and easily handled dry stover. $\frac{1}{2}$ pk., 40c; pk., 65c; bu., \$2.50.

Sweet Fodder

Unexcelled for cutting green and feeding to stock. It should be included in all soiling schedules. 10 lbs., \$1.00; 100 lbs., \$7.50.

Ross' Genuine Eureka Ensilage Corn

Outstanding as the Heaviest Producer of Silage Material—It Pays to Plant the Best.

Yield and quality are the most important things to consider when selecting corn for silage. This wonderful product has been the farmer's friend for over forty-two years.

Here is a variety of silage corn that surpasses all other. Forty-two years of undisputed leadership. Genuine Eureka Corn has always given a maximum yield to the farmer—whether soils are light or heavy, the deep-rooted nature is a characteristic of Eureka Corn that responds quickly to all conditions.



Fourteen to nineteen feet Ross Eureka Ensilage Corn is your assurance.

The astonishing yield of seventy tons and eight hundred pounds of silage fodder per acre in Michigan in 1911 still has not been beaten. In the southern states where the season is long, Eureka Corn will mature and the enormous ears produce a heavy crop of ripened grain. In the central states it will not mature for grain except in unusual seasons, but for silage material it produces a tremendous amount of green corn with ears in the milk stage. Our Canadian friends in Ontario, are loud in their praise of Ross' Genuine Eureka and Eureka Corn has become the popular variety, where quantity and quality are paramount.

Hardy and rugged characteristics; Eureka Corn germinates surprisingly well in cold, wet springs, and today farmers everywhere heartily approve planting the Ross Genuine variety of Eureka Corn.

The Eureka is our own introduction, being first placed on the market by us forty-six years ago and we still offer the genuine Eureka, which is far superior to many varieties which are sold under this same name. For the protection of the planter, the Eureka comes put up in trade marked bags and our suggestion is that you accept your Eureka Seed Corn in no other package.

The trade mark, "Eureka Corn," is printed on every bag for your protection. Don't take chances on an inferior product. There is nothing just as good, and you take chances of losing as many dollars as you save cents.

Price of Eureka Corn for 1934, bags included, $\frac{1}{2}$ pk., 40c; pk., 70c; $\frac{1}{2}$ bu., \$1.25; bu. (56 lbs.), \$2.40; 10 bu. or over, \$2.30 per bu. in our trade-marked bags.

Sweet Corn

1 lb. will plant about 200 hills, 10 to 12 lbs. to the acre.

We pay postage on one pound or less; for larger quantities by parcel post, remit postage. See inside front cover.

Warm weather, rich soil and moderate moisture are the best for Corn but a satisfactory crop can be grown in any garden if the soil is deeply and thoroughly worked before planting. Sweet Corn seed is disposed to rot if planted in cold weather, so planting should be governed with this in mind. Seeds may be planted in either rows or hills. If planted in rows they should be spaced from $2\frac{1}{2}$ to 4 feet apart, depending on the height of the variety. Seeds should be dropped at the rate of five or six to the foot, and covered about 2 inches deep. If planting in hills, drop 5 or 6 seeds per hill and space the hills 3 feet apart each way. When plants are 4 or 5 inches tall, thin to 8 to 12 inches apart and keep well hoed until the ears are set.

To have the finest Sweet Corn it must be picked in just the right condition, that is, when the skin of the grain breaks at the slightest puncture. It will be of inferior quality if it is either a few days too old or too young.

Yellow Varieties

GOLDEN BANTAM. A favorite with all who have grown it. The most famous Sweet Corn in the world today. It is the richest and sweetest of all varieties of Sweet Corn. Golden Bantam is dwarf, the stalks are usually 5 to 6 feet high, and the foliage is short, allowing it to stand closer together in the small garden and thus produce a large crop on a small area. We recommend planting Golden Bantam every ten days during the planting season and you will be assured of a continuous supply of the best Sweet Corn. Pkt., 15c; lb., 25c; 2 lbs., 45c; 10 lbs., or over, 18c per lb.

GOLDEN SUNSHINE. The earliest of the Golden Bantam type, maturing a week to ten days earlier than that variety; more dwarf in habit than Bantam, with ears $6\frac{1}{2}$ inches long, containing 12 rows of broad, yellow, sweet grain; especially desirable for its extreme earliness. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 22c per lb.

GOLDEN GIANT. Awarded the Silver Medal for novelty and excellence at Mass. Horticultural show. Ears twice the size of Bantam and being 14 to 16-rowed gives nearly four times the yield per acre; richer in color, more delicious, equally early. The husks are striped with red and very heavy. Golden Giant can be highly recommended to the market gardener because of the large ears and good shipping qualities of the Corn. Golden Giant is the result of eleven years' selection by Dr. F. S. De Lue of Boston, Mass., from a product of "Howling Mob crossed with Golden Bantam." Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 22c per lb.

WHIPPLE'S EARLY YELLOW. Twice the size of Golden Bantam and matures about the same time, grows ears 7 to 8 inches long and 12 to 16-rowed, with often two ears to one stalk. Quality is unequalled. Pkt., 15c; lb., 25c; 2 lbs., 45c; 10 lbs. or over, 18c per lb.

BANTAM EVERGREEN (Yellow). A yellow variety maturing about 10 days after the Golden Bantam and a week earlier than the Stowell's Evergreen white. It has an ear three times the size of Golden Bantam and runs 12, 14 and 16 rows to the ear. The stalk is about 6 feet tall and is perhaps 1 foot shorter than Stowell's Evergreen and 2 feet taller than Golden Bantam. The Bantam Evergreen has the tender and sweet qualities of the Golden Bantam and combines the quality of the Golden Bantam with the productiveness of Stowell's Evergreen. As a table variety it is unexcelled. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 22c per lb.

TOP CROSS BANTAM. This is a midseason variety and is resistant to Stewart's Bacterial Wilt Disease; it is the highest yielding yellow corn that we know of. Very high quality corn, ears are 10 to 14 rows, and a bright golden yellow. Pkt., 25c; lb., 50c.

White Varieties

EARLY DIGHTON. An extra early variety growing about four feet high and yielding usually two ears to the stalk. The ears are 8 to 10-rowed, 6 to 7 inches long, the grain white with pink cob. Matures ten days earlier than Early Mayflower and we believe it is a profitable variety for the market gardeners. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 22c per lb.

COUNTRY GENTLEMAN. Medium size, with irregular rows of very deep and slender kernels and small cob. Sweet and tender, not surpassed in quality by any other variety with white kernels. Plant very productive, often yielding three and sometimes four good ears. Plant liberally, as the kernels being much shriveled, seldom germinate so well as those of the regular type. Ready for use a little before the Stowell's Evergreen. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 22c per lb.

EARLY CROSBY (New England Strain). The most popular second early strain in New England, largely grown elsewhere. Ears are intermediate in size between those of the first early sorts and the Kendel's Early Giant, especially attractive and distinct, having rather small, almost square kernels packed so closely on the cob that there is no space between the rows, as with other varieties; has always twelve or more rows and tip is completely covered. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 22c per lb.

STOWELL'S EVERGREEN. The best known and most largely planted of all varieties. The Stowell's Evergreen is hard to beat and for a long time to come many will have it in preference to any other sort. Yields large ears and long, deep kernels, with rich sugary flavor and long keeping qualities. It is the standard late sort. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 22c per lb.

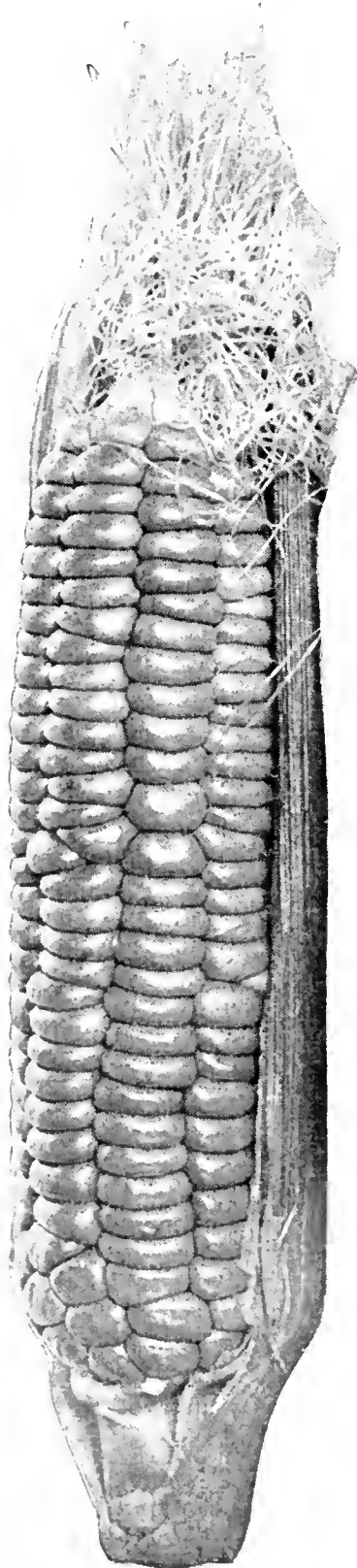
Black Mexican

A popular variety; until the introduction of the Golden Bantam, the sweetest of all. Ears of medium size; kernels large, when ripe bluish black, but at proper stage for cooking, the color shows but little if at all. Pkt., 15c; lb., 25c; 2 lbs., 45c; 10 lbs. or over, 18c per lb.

Delicious Pop Corn for Planting

WHITE RICE. This productive rather late kind supplies delicious popped corn. The plant is vigorous and grows 24-rowed ears, $5\frac{1}{2}$ inches long. Pkt., 15c; lb., 25c; 10 lbs. or over, 20c per lb.

DWARF WHITE HULLESS. Dwarf variety used extensively by Popcorn venders. Kernels similar in color and shape to the older types of White Rice. Dwarf growing habit. Ear about 2 to 3 inches long. Matures in about 65 days. Pkt., 15c; lb., 30c; 10 lbs. or over, 25c per lb.



Golden Bantam.

Finest Vegetables for Home and Market

All the Finest Varieties, Including Those Developed by Ross and Other Outstanding American Seedsmen—Now Popular Among Home and Market Gardeners Everywhere.

Asparagus

An ounce will sow about 60 feet of drill, and produce 200 or more plants.

Culture. In early spring sow the seed, after soaking it 24 hours in warm water, in drills 1 foot apart, and 1 inch deep. During the summer keep the soil mellow and free from weeds, thinning the plants to 4 inches apart. The following spring transplant them into permanent beds that have been deeply dug and highly manured. One ounce to 50 feet of row; 5 pounds per acre.

MARY WASHINGTON. This is a selection from the Washington showing a marked improvement in every respect. It is much larger than the ordinary strain and is some earlier. Tips very compact and a rich purplish green. The whole stalk from base to tip is remarkably tender. Pkt., 10c; oz., 25c; 1/4 lb., 60c.

Asparagus Roots

The easiest way to obtain an Asparagus bed is to set out the roots. It takes 3 years to establish one from seed, but with our large, 2-year roots a bearing bed may be had in 2 years. We can furnish strong, selected roots of the variety listed, 50 in a bunch, at the following prices:

MARY WASHINGTON. Doz., 30c; 50 for \$1.00; 100 for \$1.75, postpaid. By express, 100 for \$1.50; 1000 for \$11.00.

Artichoke

GREEN GLOBE. Perennial, large-flowering heads, cooked like asparagus. Matures second year; not hardy in the North. Pkt., 20c; 1/2 oz., 35c; oz., 60c.

Brussels Sprouts

A very hardy plant of the cabbage family, growing from 2 to 3 feet high, producing from the sides of the stalk numerous small heads about 2 inches in diameter. Sow about the middle of May, and treat generally as directed for cabbage.

IMPROVED HALF-DWARF. Pkt., 10c; oz., 25c.

Broccoli

ITALIAN GREEN SPROUTING. (Close Heading). Planted and used the same as Cauliflower, bluish green color, largely used by market gardeners. The plants require plenty of water. Seed started in June will make heads which will be in good condition all winter. Seed started earlier will bring heads in for summer. Broccoli takes longer to mature than cauliflower, allow 2 or 3 weeks more. Pkt., 10c; 1/2 oz., 25c; oz., 40c.

WHITE CAPE. Very white, sure to head. Resembles a coarse cauliflower, but withstands greater extremes of temperature. Pkt., 10c; 1/2 oz., 15c; oz., 25c.

Beans

1 lb. will plant 100 feet of drill; 60 to 90 lbs. will plant an acre. Beans succeed best in warm, light soil of at least average fertility. In this latitude it is not usually safe to plant much earlier than the middle of May. If planting is made earlier and is followed by especially wet or cold weather, the planter should not blame the seedsmen if Beans fail to germinate. Plant the dwarf varieties in drills 2 to 3 feet apart, about 2 inches deep, and thin plants 4 to 6 inches apart. Give frequent, shallow cultivation until time of blossoming.

Dwarf Wax or Butter Beans

BLACK WAX, PROLIFIC. One of the best for a home garden, perfectly stringless and of excellent flavor. Pods are medium size, round and of a clear waxy white color. Pkt., 15c; lb., 25c; 2 lbs., 45c; 10 lbs. or over, 20c per lb.

BRITTLE WAX. One of the best early varieties. The pods are round and long, often six inches in length, and a rich golden yellow, stringless and tender. When ripe, makes good shell beans. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

IMPROVED GOLDEN WAX. An old, well known and popular variety of excellent quality. Pods flat, long, golden yellow. One of the earliest and best dwarf wax varieties for the private garden. Pkt., 15c; lb., 25c; 2 lbs., 45c; 10 lbs. or over, 20c per lb.

PENCIL POD WAX. Handsome black wax sort, medium early, fairly hardy and productive. One of the best sorts for home use and for near markets where highest quality is desired. The pods are long, 5 1/2 to 6 inches, straight, round, fleshy and of a bright yellow color. Tender, absolutely stringless and are produced through a long season. Seed long, round, medium sized, solid black. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over 24c per lb.

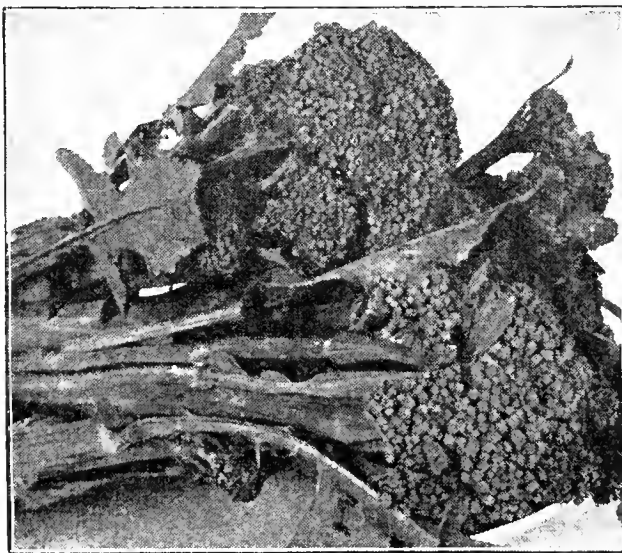
ROUND-POD KIDNEY WAX. Of unsurpassed quality. One of the best for the home garden and very desirable for market, where round-podded varieties are popular. Pods are long, very white and waxlike; uniformly perfect in shape and vine is very productive. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over 24c per lb.

SURE-CROP STRINGLESS WAX. An absolutely stringless, rust-proof wax-pod, bush bean. Pods 7 to 7 1/2 inches long, about half an inch in diameter, and a beautiful rich yellow color. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over 24c per lb.

WARDWELL'S KIDNEY WAX. Pods attractive, 6 inches long, broad, flat, nearly stringless; medium early. Beans white, mottled with purple. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over 24c per lb.



Mary Washington Asparagus.



Broccoli.



Pencil Pod Wax Beans.

Finest Vegetables for Home and Market

NOTICE.—Prices on Beans by the packet and one pound include postage. When larger quantities are wanted by parcel post, add postage according to zone rate. Three pounds of Beans packed take postage for four pounds, etc.

Beans

Dwarf or Bush Green Podded Sorts

BOUNTIFUL. Vine unusually thrifty, rarely affected by blight, bears early, profusely and for a long time. Pods large, flat but thick and meaty, stringless and tender. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over 24c per lb.

BOSTON SMALL PEA. More largely used than any other variety for baking. Choice select. Pkt., 15c; lb., 25c; 2 lbs., 45c; 10 lbs. or over 18c per lb.

BURPEE'S GREEN POD STRINGLESS. A very desirable dwarf podded snap sort for the home garden and largely grown for the market. Pods medium green, 5 to 6 inches long. Seed of medium size and length, yellowish brown. Pkt., 15c; lb., 25c; 2 lbs., 45c; 10 lbs. or over 20c per lb.

DWARF HORTICULTURAL. Pods thick, broad, of medium length, yellowish green splashed with red when at the stage of fitness for green shell beans and are then very attractive. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

FRENCH'S HORTICULTURAL. This is a Bean of the Horticultural type which has been grown quite extensively in some localities by the market gardeners for a number of years. The vines are compact and of upright growth; almost always sending out runners to a height of 1½ to 2 feet, but do not climb a pole and are not of sufficient length to affect the Bean in any way. The pods when ready to use are a yellowish green splashed with a bright crimson. Very prolific. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

EARLY LONG YELLOW SIX WEEKS. The vines of this variety are large, vigorous, erect and very productive. The leaves are large. The pods are long, about 6 inches, straight, flat, handsome, rather light green and when young are of good quality for snaps. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

GIANT STRINGLESS GREEN POD. Makes an excellent succession to Burpee's Stringless Green Pod when planted at the same time. The plants are of strong growth; pods slightly curved, quite meaty, being broadly rounded and saddle backed; brittle and stringless at all stages. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

IMPROVED YELLOW EYE. One of the best sorts for baking; extremely productive and of superior quality. Pkt., 15c; lb., 25c; 2 lbs., 45c; 10 lbs. or over, 20c per lb.

RED KIDNEY. Large red kidney-shaped Beans of excellent quality. The old-fashioned baking Bean. Pkt., 15c; lb., 25c; 2 lbs., 45c; 10 lbs. or over, 20c per lb.

English Broad Bean

BROAD WINDSOR. An old-fashioned English shell Bean. This Bean is very hardy; it should be planted as early as the ground will permit, 3 or 4 inches deep in rows 3 feet apart, and plants 4 feet apart in row. Dry beans very large and yellowish green. Pkt., 15c; lb., 35c; 2 lbs., 65c.

Dwarf Lima Beans

1 lb. will plant about 50 hills.

More hardy than the pole varieties and therefore may be planted earlier. Make rows 2 feet apart and plant the Beans, eyes down, every 2 to 3 inches. Cover about 2 inches deep. Thin to 6 inches. Note: In very wet weather Bush Lima Beans will sometimes send out runners about 2 feet long.

HENDERSON'S BUSH LIMA. A bush of the Sieva Lima; beans small but vine is productive and bears early. Pkt., 15c; lb., 35c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

BURPEE'S IMPROVED BUSH LIMA. A distinct strain. The earliest, largest, and the best of all large Limas. This new strain differs from the popular Burpee's Bush Lima in bearing uniformly much larger pods, producing more beans, while both pods and beans are much larger and thicker. While the beans are as large as those of the large Lima, the crop of the Improved is ready for gathering from 8 to 10 days earlier. In quality the beans are equal to any, being thin-skinned, juicy and of fine flavor. Pkt., 15c; lb., 25c; 2 lbs., 45c; 10 lbs. or over, 20c per lb.

FORDHOOK BUSH LIMA. One of the leading varieties of Bush Lima Beans. The plant is of stiffly erect habit, the beans are much larger and of superior quality and even when full size are juicy and of fine flavor. Pkt., 15c; lb., 45c; 2 lbs., 80c.

Pole or Running Lima Beans

1 lb. will plant 100 hills.

SEIBERT'S EARLY LIMA. The earliest variety; the pods are short and rarely contain more than 4 beans, the total yield compares very favorably with other varieties. Pods are opened easily, owing to the fact that they are very thin. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

KING OF THE GARDEN LIMA. Earlier than the Large Lima, and pods are longer and often contain 5 beans of the largest size. The vine is large and of remarkably vigorous growth and will produce larger pods and bear earlier if only two are allowed to grow to the pole. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

Beans, Pole or Running, Wax Podded Sorts

1 lb. will plant about 100 hills.

Pole Beans require considerable care. They are, when properly grown, of long bearing period, more sensitive to wet and extremes of temperature than the dwarf varieties and should not be planted as early. Set in rows about 4 feet apart, preferably running north and south, allowing about 3 feet between the poles in the row. Plant 6 to 8 inches around each pole and thin to 3 or 4 plants

GOLDEN CLUSTER WAX. Pods long, broad, thick and fleshy; borne in clusters, creamy white in golden yellow; of best quality. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

"KENTUCKY WONDER WAX." This Pole Bean is quite similar to the very popular green-podded Kentucky Wonder, except that the very long pods are a little broader, and of a waxy golden yellow. These are very attractive, fleshy, stringless and not surpassed in quality. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

Beans, Pole or Running, Green Podded Sorts

Don't Forget—Stimugerm for Beans.

KENTUCKY WONDER OR OLD HOMESTEAD. Pods are borne in large clusters, are of unusual length, nearly round, silvery green; when young, crisp, entirely stringless, of fine texture and flavor. Vine bears early and is very productive. Used only as a string Bean. Pkt., 15c; lb., 25c; 2 lbs., 45c; 10 lbs. or over, 20c per lb.

SCARLET RUNNER. Largely grown as an ornamental climber; its rapid growth and early production of dazzling flowers make it a favorite for covering screens, walls, etc. It is also of excellent edible qualities, but rarely grown for that purpose. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 27c per lb.

WORCESTER MAMMOTH HORTICULTURAL. This variety, while similar in general character to the Horticultural Pole, is much superior in several ways. The Beans, though closely resembling those of the common strain, are much larger. Its strikingly handsome pod combined with its great size are both features of excellence which recommend it. Added to these excellent qualities are those of thrifty, vigorous growth of vine and great productiveness, all making it a variety especially desirable to the market garden. It easily brings a higher price in the market than any other, and is not excelled by any other sort for the home garden. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 27c per lb.



Burpee's Green Pod Stringless.

Ross' Table Beets

An ounce will sow about 100 feet of drill. 5 or 6 pounds required for an acre.

The Beet thrives best in deep, rich, but rather light soil. Sow in drills about 15 inches apart and one inch deep. Make the soil firm over the seed. For early use, sow as soon as the ground can be worked; for fall use, in May; for winter from the 20th of June to the middle of July, according to the variety. Thin plants to 4 or 5 inches apart. Give frequent shallow cultivation.

CROSBY'S EARLY EGYPTIAN EXTRA-SELECTED STRAIN.

For several years we have given this especial attention and have largely succeeded in eliminating the light-colored, coarse fleshed specimens peculiar to the Egyptian. Roots are more uniform in shape and tops are more even in growth and a little smaller. We confidently recommend it to market gardeners as an unsurpassed strain. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

EARLY WONDER. One of the earliest and most perfectly shaped Beets. Its beautiful, deep blood-red color, globular-shaped roots, make it valuable for the home garden. The attractive appearance, uniform size, shape and color have created a very heavy demand for this variety. It is grown very extensively for late sowing. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.



Crosby's Early Egyptian Beets.

Sugar Beets and Mangel-Wurzels For Stock Feeding

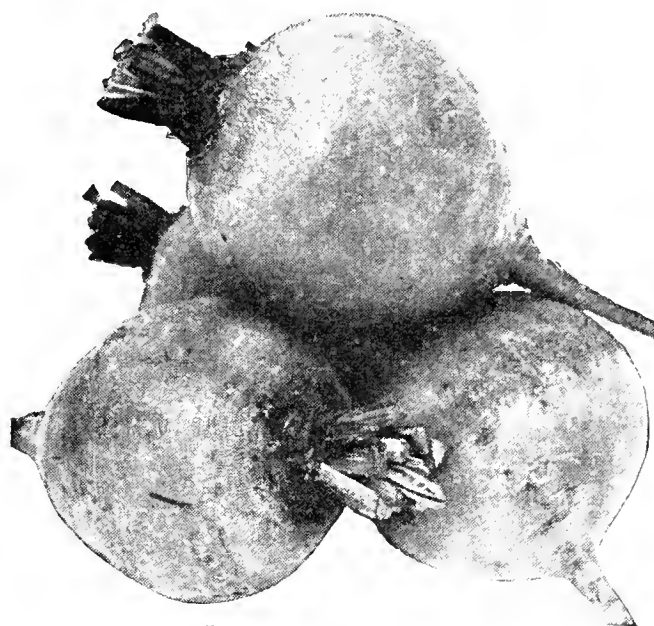
1 oz. to 100 feet of drill; 5 lbs. per acre.

Culture. Both Mangels and Sugar Beets require deep, well enriched soil. Sow in May or June in rows 18 inches to 2 feet apart and 6 to 8 inches in the row. Young plants may be transplanted to fill up vacancies. As soon as frost occurs, dig the crop. For Winter store in cellar or in pits. Sow 5 to 6 pounds per acre.

The value of Sugar Beets and Mangels for stock feeding is clearly seen in the improved health and condition of the animals. They yield enormously and can be grown at trifling cost.

Mangels make excellent and rich as well as cheap Winter feed for poultry.

GOLDEN TANKARD. It is one of the best stock Beets grown. It has yellow flesh, a very distinct variety; being short with very little tap root and very easy to harvest. Top and neck very small; root ovoid, flesh yellow, zoned with white; an excellent sort. Price, oz. pkt. 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.



Detroit Dark Red Beets.

ROSS' PERFECTION. Selected by us as the best early Beet for the market gardener. Nearly as early as the Early Egyptian, but the roots are much thicker and more regular in shape. By careful selection the coarse-fleshed and light-colored specimens have been practically eliminated. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

EARLY EGYPTIAN. The earliest variety; roots flat; deep crimson; top small. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

EARLY ECLIPSE. An early globe-shaped variety of good quality and deep color. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

EDMAND'S BLOOD TURNIP. A standard variety used for both second-early and main crop. Of good quality and keeps well. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

DEWING'S BLOOD TURNIP. One of the leading main crop varieties. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

DETROIT DARK RED. A superior second-early and main-crop variety rapidly growing in favor for late planting. Tops uniformly small and grow upright so that the rows may be close together. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Note: For Chard, see page 14.

MAMMOTH LONG RED. This is truly a mammoth, a single root often weighing twenty to thirty pounds. The extra large, long roots are blood-red in color and very nutritious. Enormously productive, yielding, under favorable conditions, thirty to forty tons of roots per acre. Price, oz. pkt. 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

NORBITON GIANT LONG RED. Similar to the Mammoth Long Red; has smaller top and neck; flesh scarlet. Price, oz. pkt., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

RIVENHALL GIANT. One of the finest types of yellow globe Mangel in cultivation. Roots are immense size and even in shape. Skin orange-yellow with reddish-yellow base. The flesh is white, being firm and fine grain, which renders it an excellent keeping variety. It grows fully three-fourths above ground with a very small tap root which makes it well adapted to light soil. Price, oz. pkt., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Sugar Beets

KLEIN WANZLEBEN. Root is conical, straight and even, large at top and tapering. Contains the largest percentage of saccharine matter. Price, pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Ross' Cabbage

An ounce will produce about 3000 plants.

Cabbage will thrive on any good garden soil but is more successfully grown on deep, strong loam, and new soil is much preferable, as on old land the roots are more liable to be affected by the disease called club-root. Especially should land be avoided upon which, within two years, cabbage, cauliflower, turnips or radishes have been grown.

For the earliest crop seed is usually sown in February or March in hotbeds with only moderate bottom heat, and the plants hardened by gradually exposing them to the night air and transplanted as early as the ground is in suitable condition.

Yellows-Resistant Cabbage

The term, "Yellows-Resistant" cabbage seed, does not necessarily imply that this seed is to be planted only in soil infested with the Yellows or Wilt. Our Resistant seed has a very high germination test, and produces a hardier plant, a surer producer and yields greater tonnage than ordinary commercial strains.

DANISH BALLHEAD "YELLOW-RESISTANT."

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

Copenhagen Market

The best early Cabbage.

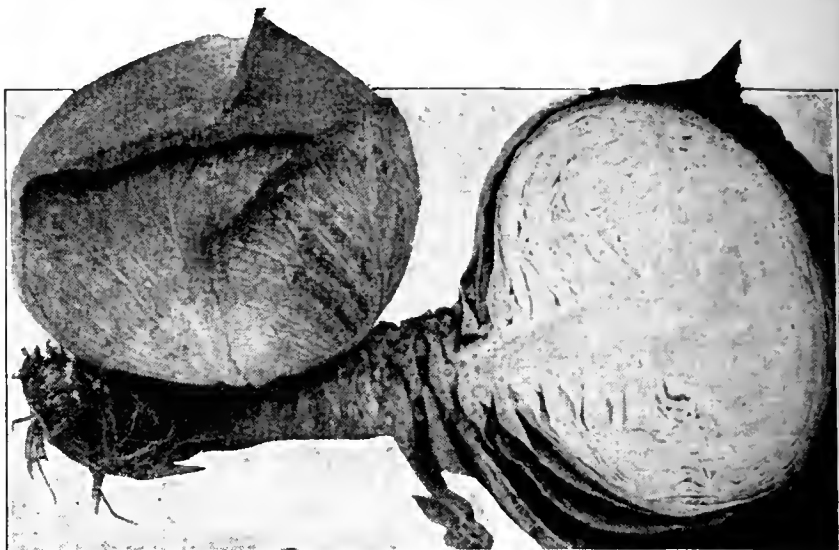
The earliest large, round-headed Cabbage yet introduced. Matures 68 days after transplanting. It is a very sure heading and uniform variety of hardy and compact growth. The heads are 7 or 8 inches in diameter and weigh 3 or 4 pounds. The variety is solid, sweet, crisp and tender. A most excellent sort for the home garden. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.



Copenhagen Market Cabbage.

ALL SEASONS. This Cabbage is remarkable for its ability to stand hot sun and dry weather and remain a very long while in condition for use. Intermediate in season, requiring 89 days to mature. The plant grows vigorously and in somewhat spreading form. The head is large, firm and solid, very white and has a small heart. It is broad-oval in shape, 8 inches deep, 10 to 11 inches wide and 9 or 10 pounds in weight. It is crisp, sweet and tender. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c.

EARLY JERSEY WAKEFIELD. Although this variety is not as early as the preceding one, it will be found the very best conical heading sort to come in immediately after. It is very compact, medium size, conical and a sure header. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c.



Danish Ballhead Cabbage.

AMERICAN IMPROVED SAVOY. The best of the Savoy type, which should be more largely grown. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c.

DANISH BALLHEAD. This is now the most popular main crop variety for market, due to its remarkable solidity, weight, uniformity in size, fine keeping qualities and attractive round head. It is especially valuable for shipping to distant markets and for late spring use. Though the heads are but of medium size, owing to their great weight the product of an acre exceeds in weight that of any other variety. We offer a strain of seed which has been proved by repeated trials to be unsurpassed. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

DANISH ROUNDHEAD. Makes a little earlier than the Danish Ballhead. The heads are nearly round and have a short stalk, and are very hard. The inside leaves are white and sweet. It is a healthy variety and able to stand heat and resist disease. The heads, although making quicker growth, are fully as large as Ballhead and equally as good in every way; keeping well during the winter and of excellent quality. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

GOLDEN ACRE (Danish Grown). An extra early selection of the Copenhagen type, and the earliest of the round-headed Cabbages, maturing with Jersey Wakefield. Plant small, dwarf and compact, with few outer leaves; heads of medium size, round as a ball, hard, solid and very uniform. We believe it to be the earliest Cabbage in existence. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

PREMIUM FLAT DUTCH. An old standard late variety. Head large, flat and solid. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c.

MAMMOTH ROCK RED. Head larger and more solid than Red Drumhead; reliable in heading. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c.

WARREN STONE MASON. An improved strain of the old Stone Mason. Previous to the introduction of the Danish Ballhead, the most popular variety in New England for main crop. Earlier and more nearly round than the old strain, of medium size, hard, solid and of excellent quality. Reliable and keeps well. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Chinese Cabbage

CHINESE CABBAGE, PE-TSAI. Distinct from the Cabbage of commerce, somewhat resembling Cos Lettuce; in fact, sometimes called Celery Lettuce. It can be eaten either as a salad or cooked like ordinary Cabbage. Culture same as late Cabbage. Sow early in July. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Choicest Carrots for Garden and Market

For several generations the Carrot has been one of the common garden vegetables, but only in recent years has it come to be recognized as one of our most nutritious and wholesome foods. Health authorities assert that Carrots contain in high degree those elements which constitute a nourishing article of diet. The plant has no serious insect enemies and is rarely subject to disease. The culture of Carrots is easy, being practically the same as that of beets. When practicable it is best to plant them in soil that has been richly fertilized the previous season. Freshly manured soil will often produce divided roots. Plant the seed one-half inch deep in loose, well prepared soil, making rows 16 to 24 inches apart. Cultivate as soon as the plants are well established and thin to 2 to 4 inches in the row, according to the size of the variety. Plantings may be made from early spring until mid-June. For winter storage the later date is advisable.

CHANTENAY. A half-long variety most extensively used for the home garden. It is medium early, maturing in about 60 days. This sort is very productive and easy to harvest. The root is smooth, deep orange-red, uniformly stumped but slightly tapered, and about 5½ inches long. The crisp, tender and finely flavored quality makes it most suitable for table use in early maturity. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

DANVERS HALF LONG. A well known rich orange-red variety, very smooth and handsome, producing extra heavy crops. An excellent market variety; crisp, sweet and tender. Although the roots are short, they produce as large a bulk as the longer field sorts and are more easily harvested. This variety has yielded 25 tons per acre. We have given this our special attention and offer at this time as good strain of seed as is possible to obtain. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

HUTCHINSON. A very large, nearly cylindrical, stump-rooted Carrot, 10 to 12 inches in length; good color and immensely productive. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

LONG ORANGE IMPROVED. Large size, tapering to a point, of deep orange color, and adapted to garden or field culture. A valuable food for stock. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.15.



Chantenay Carrot.

LARGE WHITE BELGIAN. Grows one-third out of ground. The portion above ground is green, that below white, large and rather coarse. Used only for stock. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

PRIDE OF DENMARK. A Carrot of great promise. It is a cross between the Nantes and Chantenay and resembles the Hutchinson in shape and is of equally good quality. Its bright orange-scarlet color, its size and productiveness are in favor of its becoming one of the leading market varieties. Our trials during the past season would indicate that this variety will be in great demand as soon as its qualities are known. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

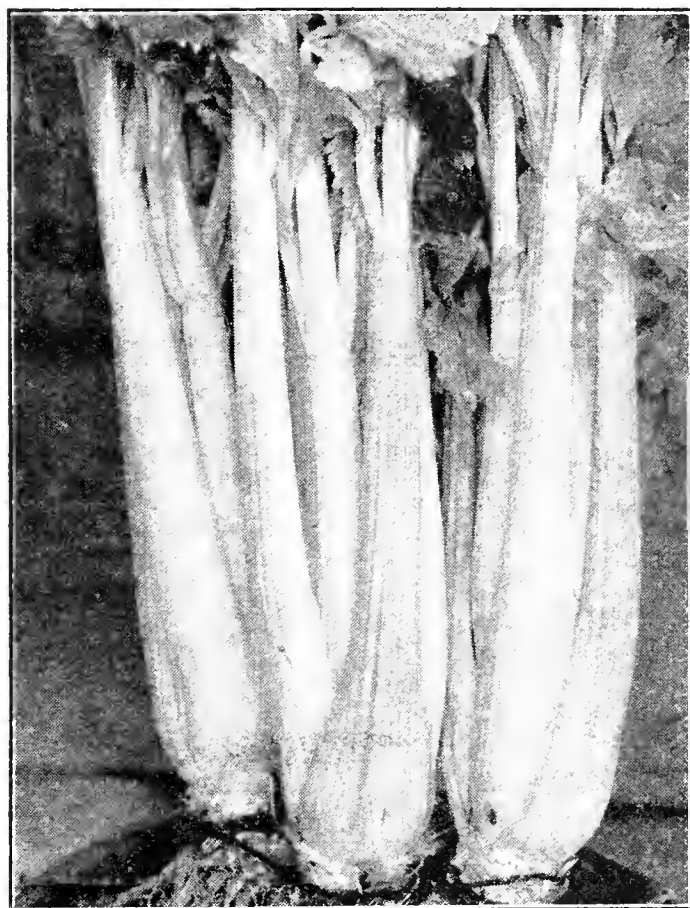
Celery

An ounce will produce about 10,000 plants.

Celery is generally grown as a second crop, following early cabbage, onions, peas, etc. Sow early in April, transplanting about the first of June. Set in rows about three feet apart.

EASY BLANCHING. The plant is of medium height, of great vigor, having thick rather than broad stalks, with shallow ribs. The stalks are very brittle and the flavor extremely spicy. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c.

GIANT PASCAL. One of the best for winter use; leaves upright, short and dark green. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.



Golden Self-Blanching.

GOLDEN SELF-BLANCHING. The most popular variety for market, easily blanching, very attractive, of good quality though not equal to some of the green Celeries. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

WHITE PLUME. The earliest and most easily blanching of all varieties, very showy, of good quality. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c.

WINTER QUEEN. Of medium height, but stout, thick and heavy, with a larger amount of heart than most other sorts. Of fine quality, more easily handled than the Giant Pascal, and an excellent keeper. One of the best for late winter use. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c.

Celeriac—Turnip Rooted Celery

Sow seed and treat in first stage of growth as directed for celery. Set in rows 2 feet apart and 6 inches apart in the row. When roots have reached a size of 2 inches in diameter they are ready for use. These are boiled, sliced and eaten with vinegar. To keep through winter, roots should be packed in moist sand or earth.

LARGE SMOOTH PRAGUE. An improved sort with nearly round roots which have but few side roots. Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 80c.

Cauliflower

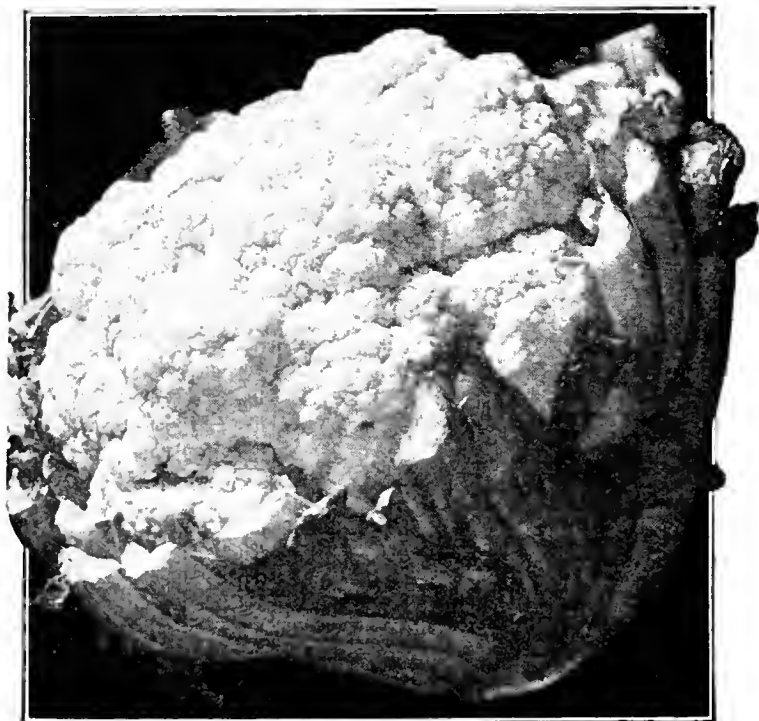
An ounce will produce 3000 plants.

Sow the first week in May, transplant in July. For wintering under glass, sow second and last week in September, transplant into a cold frame, give plenty air in mild weather and cover up in severe. Again, sow in February in a hotbed and transplant in April. Use plenty of rotten manure. Select new ground, as Cauliflower rarely succeeds on ground which has been cropped year after year. Plant in rows 20 inches apart and 2 feet between rows.

EARLY SNOWBALL. The earliest and surest to head. We offer an unsurpassed strain from one of the leading growers in Denmark. Pkt., 20c; $\frac{1}{4}$ oz., 70c; $\frac{1}{2}$ oz., \$1.25; oz., \$2.00.

EARLIEST DWARF ERFURT. One of the earliest varieties; very dwarf. Excellent for forcing. Pkt., 20c; $\frac{1}{4}$ oz., \$1.00; $\frac{1}{2}$ oz., \$1.85; oz., \$3.50.

EARLY LONDON. A well known variety, maturing its head soon after the extra early sorts. Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.



Early Snowball Cauliflower.

Corn Salad, Fetticus, or Lamb's Lettuce

A hardy, rapid-growing plant, often used in winter as a substitute for lettuce and is sometimes cooked and used like spinach. Pkt., 10c; oz., 30c; 2 ozs., 55c; $\frac{1}{4}$ lb., \$1.00.

Chicory

WITLOOF OR FRENCH ENDIVE. Esteemed as a salad plant. Spring-sown seeds produce parsnip-like roots by November. Cut the leaves off $1\frac{1}{2}$ inches from the neck, trench $1\frac{1}{2}$ inches apart, cover with soil 8 inches over crown; then place a 2 or 3 foot layer of fresh manure which induces new growth of blanched leaves folded like Cos Lettuce, which are eaten raw as salad. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

Chervil, Curled

A hardy annual, used for flavoring and garnishing. It is thought by some to exceed even parsley in beauty. Seed should be sown early in the spring and when plants are well rooted, transplant to one foot apart. The leaves will be ready for use in seven to ten weeks from planting. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c.

Swiss Chard

SWISS CHARD OR SILVER SEA KALE BEET.

Used for greens only. Much superior to other Beets for greens. Plants should be thinned to about one foot apart. When the plants have attained full size, the stems and mid-ribs are sometimes cooked and served like asparagus. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

GIANT LUCULUS.

This Swiss Chard or Spinach Beet, is prepared for the table in the same manner as Spinach; sometimes, however, the mid-rib is prepared like asparagus. Seed planted early in the spring will quickly produce plants from which cuttings may be made all summer, as you can cut right down to the ground and new shoots will soon spring up and make a fast growth, while those plants which are allowed to grow on without any cutting will make large, curly leaves, with thick, light colored mid-ribs which are delicious when cooked and served like asparagus. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.



Swiss Chard.

Chives

Are a small, hardy perennial plant resembling onion in appearance and growing in clusters. They are grown for the leaves, which are produced freely from early spring and give a mild onion flavor to sausages, salads and soups. They can be easily grown in pots at a sunny window during the winter. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c.

Collards

One ounce for about 5,000 plants.

Collards are very largely used as "greens" in some parts of the country, especially in the South. They are a form of loose-headed cabbage.

GEORGIA. The most satisfactory variety for general use. Pkt., 10c; oz., 25c.

Dandelion

An ounce will sow 200 feet of drill. Two pounds to the acre.

Sow early in the spring in rich soil in drills 15 to 18 inches apart, cover lightly but make the earth firm.

IMPROVED THICK-LEAVED, or CABBAGING. A distinct variety unsurpassed in thickness of leaf and deep green color. It grows compactly, forming a regular upright tuft. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 55c; $\frac{1}{4}$ lb., \$1.75.

CULTIVATED, or FRENCH COMMON. A greatly improved strain of the common Dandelion. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., 85c.

CICCORIA CATALOGNA, or ITALIAN DANDELION. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c.

We send one pound or less postpaid; for larger quantities by parcel post, postage must be sent. See inside front cover.

Ross' Cucumbers

The Cucumber requires well enriched soil, and should not be planted until settled warm weather, in this latitude, seldom before the middle of May. Plant the early, small kinds in hills $3\frac{1}{2}$ to 4 feet apart, the larger varieties 5 to 6 feet. Make the hills broad, use 15 to 20 seeds to the hill, dropping them well apart. Cover with not over an inch of earth, and firm this well with the hoe. If the young plants are attacked by the striped bugs or other insects, dust frequently with air-slacked lime, soot or ashes mixed with road dust, taking care that too much is not used at one time. When all danger from bugs is past, thin to three plants to the hill. Give frequent shallow cultivation as long as vines will permit.



Early Fortune Cucumber.

When all danger from bugs is past, thin to three plants to the hill. Give frequent shallow cultivation as long as vines will permit.

DAVIS PERFECT. Fine length, slimness, beautiful dark green color, transparent-like flesh with deliciously cool, refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the extra long, white spine Cucumbers. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

BOSTON PICKLING. For pickling. Its fruit is short, pointed at each end, productive and of superior quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

EARLY FORTUNE. The plant is early, very vigorous, with an exceptionally heavy, thick foliage and is almost disease resistant and very productive. Fruits



Long Green Cucumbers.

are uniformly nine inches long, slightly tapering toward each end, perfectly round and of a very dark green color which does not fade in shipping; flesh very thick, firm and crisp, and exceedingly small seed cavity. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

EXTRA LONG OR EVERGREEN WHITE SPINE.

Vine productive and comes into bearing soon after the Early White Spine. Popular with market gardeners. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

IMPERATOR, W. S. An outstanding variety for shipping, and for market gardeners. Holds its color and firmness when handled long distances. Fruits weigh $2\frac{1}{4}$ pounds; handsome, very dark green color; slightly tapered at both ends; flesh crisp and firm; remains edible for long time; very few seeds. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

IMPROVED WHITE SPINE. Perfection has been attained in this improvement in the White Spine family. It is early, prolific and produces a continuous crop of uniformly large and symmetrical fruits, faintly marked with light yellowish shading toward the tip. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

JAPANESE CLIMBING (Black Spine). Vine very vigorous with especially strong grasping tendril. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

LONG GREEN. An old standard variety, very popular for home gardens but little used for market. Fruit very long, slender, very firm and crisp, uniformly dark green; makes fine pickles and is the best of all when ripe for making sweet pickles. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

English Frame Variety

For forcing in hotbeds and greenhouses.

TELEGRAPH. The most valuable variety of this class, superior for market. Pkt., 50c.

Dill

An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medicinal properties but its largest use is for making Dill pickles. Plant branching, two to three feet high; leaves very much cut into thread-like segments. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Endive

An ounce will sow 300 feet of drill, producing from 2,000 to 2,500 plants

Endive, like lettuce, may be grown at any season, but is more generally used in the fall. For early use, sow in April, for later, until July, in drills 18 inches apart, or in beds for transplanting, plants should stand 10 to 12 inches apart in the row. When nearly full grown tie outer leaves over center to blanch the heart, or blanch with boards as with celery.

MOSS CURLED. Of dense growth and finely curled. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

LARGE GREEN CURLED. Of larger growth, not so much curled as preceding. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

BATAVIAN BROAD LEAVED (Escarolle). A variety having broad, more or less twisted and waved

bright green leaves with thick, nearly white midribs. The inner leaves form a fairly solid, clustering head which blanches a beautiful deep creamy white and is crisp, tender, and of fine flavor. Unsurpassed for salads. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Fennel (Finocchio)

FLORENCE OR NAPLES. Resembles Celery in flavor but has a sweet taste and delicate odor. Should be sown in spring in drills 18 inches apart and the plants thinned to 5 or 6 inches apart. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Cress, Curled or Pepper Grass

A small pungent salad plant, much liked by some with lettuce. Like all salad plants, it should be grown on rich ground. Seed may be sown early in the spring, but if desired through the summer, repeated sowings will be necessary. Pkt., 10c; oz., 20c; 2 ozs., 35c; $\frac{1}{4}$ lb., 60c.

Water Cress

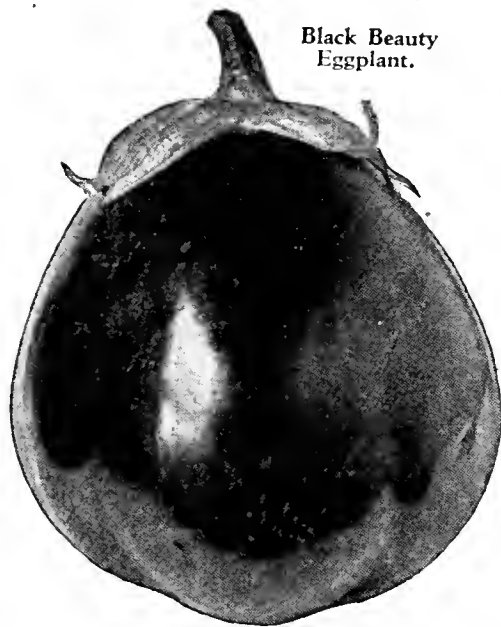
Hardy plant which can be grown in a pond or along the banks of a running stream. Largely used as a garnish during the winter and early spring months. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.00.

Ross' Selected Seeds

Eggplant

An ounce will produce about 2000 plants.

Culture. Plant the seed in March in a hotbed, or, for family use, in flower pots in a warm window. Transplant in open ground after weather has become warm and settled, in rows 2 feet apart each way. Require rich soil.



Black Beauty
Eggplant.

BLACK PEKIN.

An early variety, nearly round, large, smooth, black and glossy. Plants prolific, leaves purplish black. Pkt., 10c; ½ oz., 30c; oz., 55c.

NEW YORK IMPROVED (Spineless).

The favorite variety. Fruit of largest size, rich purple and finest quality. Plant large, spreading and very productive;

foliage light green. Pkt., 10c; ½ oz., 30c; oz., 50c.

BLACK BEAUTY. A valuable variety, ready for use two weeks earlier than any other sort. The fruit is thick and of a rich purplish black color. Pkt., 10c; ½ oz., 30c; oz., 50c.

Kale or Borecole

An ounce will produce 2000 plants.

DWARF CURLED SCOTCH. Sow in May and transplant in June, and treat generally as for cabbage. Curled, low-growing variety; the leaves, when properly cooked make very palatable greens. Pkt., 10c; oz., 15c; ¼ lb., 40c.

Kohlrabi

An ounce will sow about 200 feet of drill.

The edible part is the turnip-shaped bulb formed above ground. Combines somewhat the flavors of cabbage and turnip. Sown in light, rich soil early in spring in rows 1½ feet apart, thin to 6 inches apart in the row. Plantings at intervals of ten days will give a succession until hot weather; when they fail to grow well. Plant the latter part of July for fall use.

EARLY WHITE VIENNA. (Extra for forcing). Extremely early with small tops. Bulbs medium size, very light green or nearly white. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c.

EARLY PURPLE VIENNA. Early with small top, the leaf stems being tinged with purple. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c.

Leek

Leeks require rich soil. Sow early in spring in deep drills, 18 inches apart, cover with ½ inch. of soil, thin plants to about 8 inches apart. Draw the earth around them as with celery.

AMERICAN BROAD FLAG.

A desirable strong growing, broad-leaved Leek, hardy and productive. Favorite with market gardeners and used for the home garden. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c.

GIANT MUSSELBURGH.

A hardy variety of extra large size; leaves fan-shaped, dark green color. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c.



American Broad Flag Leek.

Ross' Lettuce

An ounce will produce from 3000 to 4000 plants.

Lettuce thrives on nearly all soils, but because the growth should at all times be rapid to insure crispness and best flavor, the soil should be heavily enriched and well worked before planting. Lettuce being quite hardy, seed may generally be sown as soon as ground can be fitted, as while prolonged or continued freezing will kill the plants, they are but little injured by an ordinary frost. Seed may also be sown in the hotbed in gentle heat, and the plants, if well hardened by having been often exposed to the air, may usually be set in the open ground very soon after the time suggested for sowing seed outdoors.

BLACK-SEEDED TENNISBALL. More extensively grown in New England than any other variety, both for first outdoor crop and for main crop, the medium sized heads being the size most liked by gardeners, while its compact form allows it to be grown more closely together than others. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

BOSTON FINE CURLED. Beautifully curled, excellent for garnishing. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

GREEN-LEAVED BIG BOSTON. A cabbage butter head; medium size; medium green. Is practically the same as Big Boston with no tint of brown and the head is of a whitish green. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

BLACK-SEEDED SIMPSON. Much larger than the preceding, but not so much curled. Forms a large, loose cluster of leaves rather than a head; leaves light yellowish green. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

CRISP AS ICE. A midsummer variety, surpassing all of this class in crispness, tenderness and fine flavor. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

BIG BOSTON WHITE SEEDED. Probably the most generally used in cultivation. It is a cabbage-head, butter type, medium large, finely shaped, globular, medium light green with slight tinge of brown on margins of outer leaves. It is early and hardy and stands shipping well. The head itself is brittle, buttery and the interior quite a golden yellow. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

LETTUCE—Continued.

EARLY CURLED SIMPSON. (White-seeded). An old variety, with broad, often frilled, very curly, light green leaves; sweet, tender, of fine flavor. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

GRAND RAPIDS. One of the easiest varieties of Lettuce to grow. It forms no head but produces an abundant crop of pale green leaves, slightly but closely crumpled which have an excellent flavor. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

HANSON. An old variety of great merit. Large, flat, cabbage-like head, very slow to run to seed. The outer leaves are bright green, with veins of lighter shade, inner leaves white, usually curved and twisted at the base. Grown for home use. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

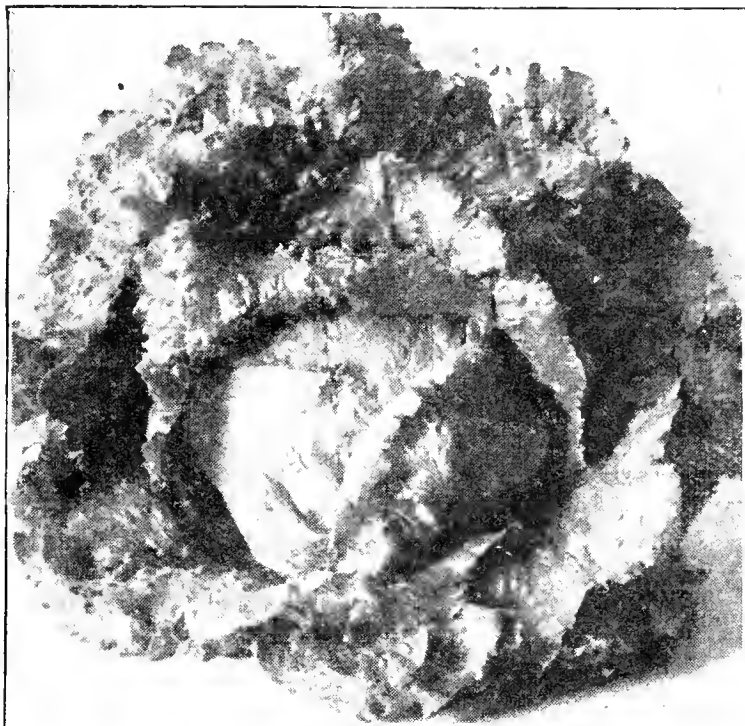


Black Seeded Tennisball Lettuce.

ICEBERG. The unusual solidity of the heads is insured by the large white main ribs of the leaves, each of which curving strongly into the center, acts like a truss, making it impossible for the leaves to open outward and expose the center, which is consequently thoroughly blanched. The leaves are always crisp and tender. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

MAY KING. A new, very hardy variety of foreign origin, which owing to its hardiness, earliness and large size for a variety of this class, is coming rapidly into favor here, both for outdoor planting and for

forcing. Forms compact heads, nearly, if not quite, as early as White-Seeded Tennisball. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.



New York or Wonderful Lettuce.

NEW YORK OR WONDERFUL (Dark Iceberg). One of the largest varieties in cultivation. The heads are very solid with but little tendency to run to seed. It blanches itself naturally, is crisp, tender, and of excellent flavor, and always free from bitterness. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

PRIZE HEAD. A large, loose-leaved variety, which has been very popular for home use. Leaves very thin, crimped, bright green tinged with brownish red; sweet, tender and of good flavor, but not equal to Crisp as Ice. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

Romaine or Cos Varieties

Distinct from the ordinary Lettuce on account of their tender, crisp leaves and delicious flavor.

PARIS WHITE COS. One of the finest varieties for summer use. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 65c.

Mustard

Used mainly for salads and greens. Sow as early as ground can be worked in drills 18 inches apart and ½ inch deep. Successive sowings every 3 weeks.

WHITE OR YELLOW. The common variety used to flavor pickles. Pkt., 10c; oz., 20c; ¼ lb., 50c.

SOUTHERN GIANT CURLED. Large, light green leaves. The best for salads. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Mushrooms

LAMBERT'S PURE CULTURE SPAWN. This will produce Mushrooms of a specific variety, selected with reference to size, color and yield, and eliminates absolutely any danger of poisonous specimens. Standard



Dwarf Green Okra.

bricks weighing from 1 to 1¼ pounds, of the variety most largely cultivated. 35c each; postpaid, 45c each. 4 bricks, by express, \$1.30.

Okra or Gumbo

The young seed pods are used in soups or stewed and served like asparagus. Best results would be obtained by sowing seed in the hotbed. Set plants in rows 2 feet or more apart and about a foot apart in the row.

DWARF GREEN. Early and productive; best for northern cultivation. Pkt., 10c; oz., 20c; ¼ lb., 50c.

PERKINS' MAMMOTH LONG POD. A dwarf but enormously productive variety. Pods long, slender, deep green and remain tender much longer than most sorts. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Muskmelons

Delicious Sweet Melons, Thick Meated

An ounce will plant about 50 hills. $1\frac{1}{2}$ to 2 pounds are required for an acre.

The Muskmelon succeeds best in warm, rich soil. Plant when all danger of frost is past, in broad hills 4 to 5 feet apart, 10 or more seeds to each hill. Cover with one inch of soil and firm well with the hoe.

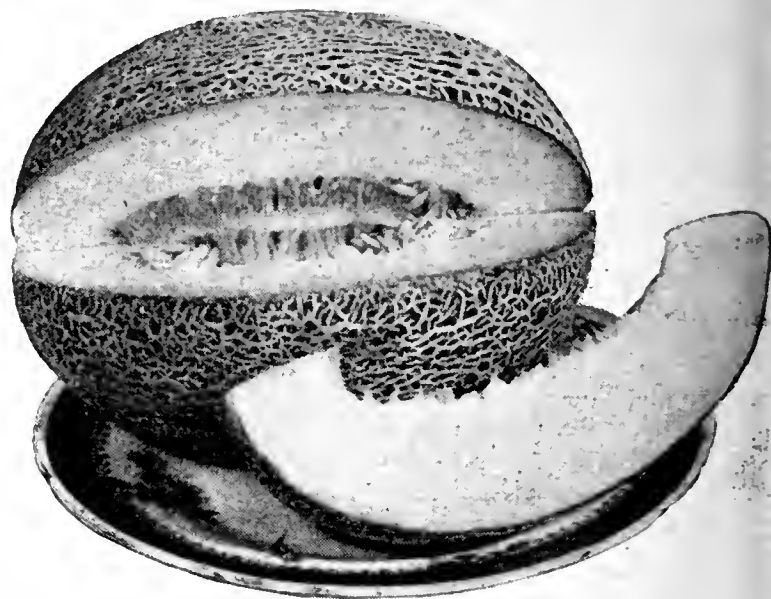
BENDER'S SURPRISE (The Bender Melon). A very popular variety in the East, particularly around Albany, N. Y. A selection from Surprise and a close kin to Irondequoit, differing from that variety in being more oblong, more full and rounded at the ends, not quite as well netted or as early; skin light greenish yellow when ripe. A very delicious, large salmon-fleshed melon with superior shipping and keeping qualities. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

BURRELL'S GEM. The melons are six to seven inches long by four and a half to five inches in diameter, rather sharply sloping at the ends. They are quite well ribbed and covered with a fine grayish netting. The skin is a rich dark green, contrasting finely with the deep orange-salmon colored flesh, sweet and tender. The flesh is thick and firm, ripening close to the skin, leaving only a thin rind. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

EMERALD GEM. Small to medium size; skin deep green, generally smooth; flesh thick, rich salmon, not surpassed in richness and flavor. But few varieties are so nearly certain to produce uniformly good melons. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

EXTRA EARLY HACKENSACK. Above medium size, nearly round; flesh green, a little coarse but juicy, sweet and of good flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

HONEY DEW. The average size of the melon is six inches in diameter and seven to eight inches in length. The flesh is an emerald-green, very thick, melting, and fine grained; can be eaten to the extreme rind. The seed cavity is very small, the rind impervious to water. The Melon does not shrink in weight, is not easily bruised, and is a splendid shipper. It is later than Rocky Ford strains and is very prolific. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.



Bender's Surprise Muskmelon.

HONEY ROCK. Very prolific and early, almost round, 5 inches across, of medium size, rich salmon flesh of fine quality and ripens uniformly. Sweeter than Rocky Ford but without the sweetness of Honey Dew, fine for home use and market. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

MONTREAL NUTMEG. The fruits are of the largest size, often attaining a weight of 15 pounds. Shape nearly round, flattened at the ends. The flesh is about two inches thick, light green, and of a delicious flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

OSAGE OR IMPROVED MILLER'S CREAM. Of medium size, oval, dark green, shallow netting; flesh deep salmon, thick, very firm, sweet and of rich flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

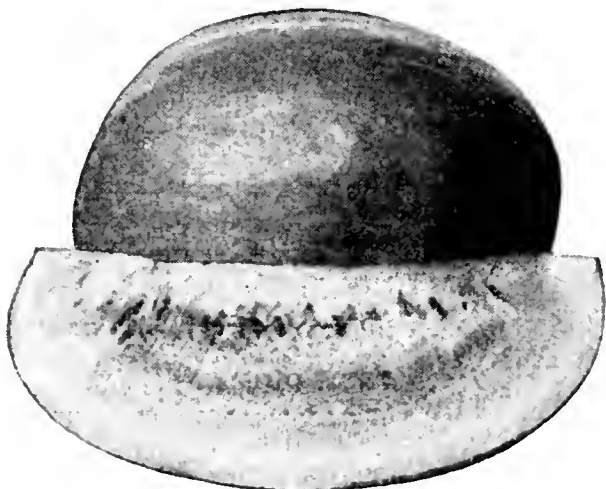
PAUL ROSE OR PETOSKEY. The product of crossing the Osage and the Netted Gem. Resembles the latter, but is a little larger, and flesh is rich orange. Very sweet and high flavored. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

ROCKY FORD. More largely grown than any other of the small or basket Melons. Oval, slightly ribbed, densely covered with fine netting; flesh green, thick and of rich flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Watermelons

1 oz. will plant about 25 hills; 4 lbs. to the acre.

The culture of the Watermelon is mainly the same as recommended for the Muskmelon; hills should, however, be about 10 feet apart.



Cole's Early Watermelon.

COLE'S EARLY. Small but very early; of fine quality and sure to mature in any latitude where Melons can be grown. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

HARRIS' EARLIEST. A new extra-early variety, large and of exceptionally fine quality. Slightly oval, mottled in stripes of light and dark green. Flesh bright red. One of the most desirable for planting in the North. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

MOUNTAIN SWEET. An old favorite, early, productive and of good quality. Fruit long, dark green; flesh scarlet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

PEERLESS OR ICE CREAM. Of medium size, oval, dark green; flesh scarlet, very sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

PHINNEY'S EARLY. A standard early variety of medium size, oval, marbled light and dark green; flesh pink, sweet and crisp. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

SWEETHEART. Large, oval, very heavy; rind thin but firm, mottled light and very light green; flesh bright red, tender, melting and sweet. Retains its good qualities for a long time after ripening. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

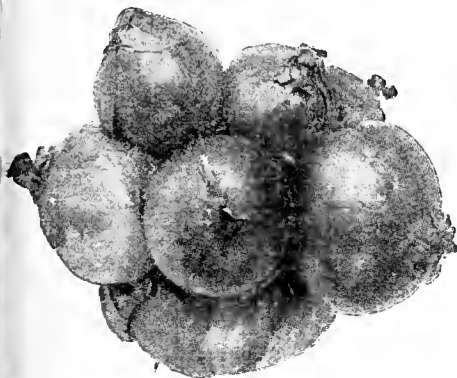
CITRON. For preserving only. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Onions

Onion Sets

1 lb. will plant 100 ft. of row; 250 to 325 lbs. per acre.

We do not deliver Onion Sets free, purchaser pays transportation. Onion Sets weigh 1 pound per quart. For parcel post zone rates see back of order blank.



These sets will provide small green Onions in 2 to 3 weeks after planting seeds, and are an important crop to precede the seed-sown varieties. They mature large Onions much earlier than can be grown from seed. May be planted in early spring as soon as danger of freezing is past.

WHITE GLOBE. Lb., 30c; 4 lbs., \$1.00; 8 lbs., \$1.60.

YELLOW GLOBE. Lb., 30c; 4 lbs., \$1.00; 8 lbs., \$1.60.

EGYPTIAN OR PERENNIAL. (For delivery in September). Lb., 25c; 4 lbs., 80c; 8 lbs., \$1.40.

Special Prices on Bushel Lots.

Selected Onion Seeds

1 pkt. will sow 50 ft. of drill; 1 oz. about 200 ft.; 4 to 5 lbs. per acre.

Onions are very healthful and wholesome, probably used more often in the kitchen than any other vegetable, either in connection with other foods for seasoning or in many of the delicious ways to prepare them for their own tempting goodness. Highly prized for their tonic qualities, and doctors everywhere recommend the use of Onions in the diet because they are wholesome and nutritious.

Onions are not hard to grow. They like a clean, rich soil. Sow as early as possible in drills 1 foot apart.

AILSA GRAIG. Of mammoth size, larger than the Prizetaker, oval-shaped, pale straw colored skin; of very mild flavor. Extra large Onions can, however, be obtained by sowing seed early in the spring in the hotbed and transplanting to the open ground. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 90c.

SOUTHPORT YELLOW GLOBE. Bulbs nearly spherical, slightly elongated; does not mature quite so early as our selected strain of Yellow Globe Danvers; a little more inclined to grow stiff-necked on some soils or in unfavorable seasons, but when well grown, brings the highest price, especially in New York markets. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 60c.

SOUTHPORT RED GLOBE. Identical in form with the preceding; rich, deep red, above medium size; excellent keeper and one of the most attractive of all. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., 80c.

SOUTHPORT WHITE GLOBE. Of true globe shape. Later than White Portugal; keeps better and, like all globular varieties, a greater weight can be obtained on the same area. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 90c.

YELLOW GLOBE DANVERS. The standard variety for winter use in the eastern markets. Produces well ripened bulbs, averaging two inches in diameter. Skin light golden brown or pale yellow, flesh pure white, crisp, and mild in flavor. The plants have very slender necks, and consequently the bulbs keep well over winter. On account of their attractive shape and color and their excellent keeping qualities, they always bring a good price in the markets. Selected strain. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

WHITE PORTUGAL OR SILVERSKIN. An early white, flat variety, of medium size and mild flavor. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 90c.

LARGE RED WETHERSFIELD. The standard red variety. Bulb large, flattened but thick; skin deep purplish red. The best of all for light soils. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., 75c.

PRIZETAKER. Grows to an immense size and for fall marketing is unexcelled. Although of such great size, it is very hardy and a fair winter keeper, as it ripens up hard and firm. Very fine grained and of mild, delicate flavor. The outside skin is rich yellow while the flesh is white. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., 75c.

Parsley

One ounce will sow 200 feet of drill.

Always required for garnishing, also used for flavoring soups and stews and in salads.

Culture. Sow early, seed is slow to germinate; early radishes can be sown in same row and will be used before Parsley is up. A rich soil is best, but Parsley will thrive in any soil.

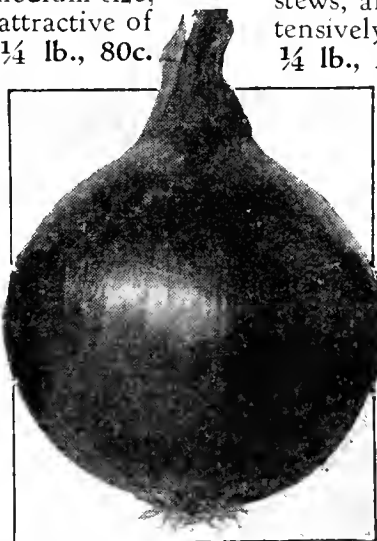
CHAMPION MOSS CURLED. This is a prize winning English variety. Handsome, compact plants. Leaves have the appearance of finely curled moss. Hardy and slow to run to seed. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

DOUBLE CURLED. Plants compact, very curly and finely cut, bright green color. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

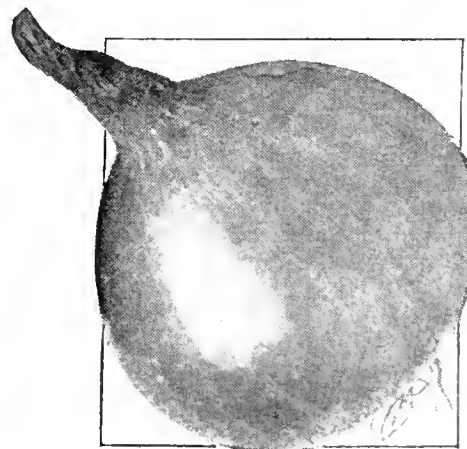
PLAIN LEAF. The leaves of this variety are flat, deeply cut but not curled. Desirable for flavoring soups and stews, and for drying. The curled sorts are more extensively used for garnishing. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.



Yellow Globe Danvers.



Red Wethersfield.



Southport White Globe.

Tasty Parsnips

A Delicious Winter Vegetable

One ounce will sow 200 feet of drill; 6 lbs. are required for an acre.

A vegetable for all winter use, with a rich, sweet flavor that most people like. Easily and cheaply grown.

Culture. Sow early in the spring, seed is slow to germinate. Sow one-half inch deep in rows 2 feet apart. Thin to 5 inches apart in rows. Frost sweetens them; can be left in the ground all winter.

PRICES:

Of each variety we offer a choice selected strain. Each, pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

ARLINGTON LONG SMOOTH. Roots very long and smooth, with full crown, desirable for deep soil and, owing to the full crown, is less liable to rot if left in the ground through the winter than the Hollow Crown.

HOLLOW CROWN. (110 days). A good cropper, roots 15 inches long, 3 inches in diameter at the top. An old standard variety.

Peanuts

SPANISH. The best variety. An early, heavy bearer; bushes growing close, so very easily cultivated. Best re-cleaned seed stock. Pkt., 10c; lb., 40c, postpaid. By express, 10 lbs. or more, 35c per lb.

Sweet Tender Garden Peas

Inoculate This Seed With STIMUGERM.

One lb. will plant about 100 ft.; 70 to 85 lbs. an acre.

Peas of the extra early, smooth class are first to be planted in the spring. The wrinkled sorts follow later, as they are not quite so hardy. The tall, late varieties need brush, wire or some other support. Though light, warm soil is desirable for the extra early varieties, Peas generally produce a much larger crop on soil which is moderately heavy.

Plant the early and dwarf varieties in drills $2\frac{1}{2}$ feet apart and 3 or 4 inches deep, cover with only one inch of soil and fill the trench gradually as plants grow. Plant the taller and later varieties in rows 3 to 4 feet apart and 5 to 6 inches deep, covering as already suggested. The tall, late varieties, plant in double rows.

PEAS BY PARCEL POST. The prices here are for Peas at our counter or by express or freight, at customer's expense. If these are wanted in quantities over 1 pound by parcel post, remit extra for postage at zone rates.

Extra Early Dwarf Varieties

SUTTON'S EXCELSIOR. The best of the dwarf varieties. The vine is of more vigorous growth than the Nott's Excelsior, a little taller, fully as productive and matures its crop nearly as early, while both pods and peas are decidedly larger. In quality, equal to any of the dwarf varieties, all of which compare favorably with the larger and later sorts. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.

EXTRA EARLY BLUE BANTAM. The best first early dwarf wrinkled Pea. It is unequalled for combination of extreme earliness, superb quality and unusual productiveness. The dwarf, vigorous vines average 15 inches in height and carry really enormous crops of large, deep bluish green pods. The pods measure 4 to $4\frac{1}{2}$ inches long and are tightly packed with 8 to 10 large, deep bluish green peas. These peas are not only large in size but of most luscious flavor. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.

LAXTONIAN. A new dwarf Pea of the same high quality as Thomas Laxton and Gradus. The vines are about 18 inches high, vigorous and when in bearing are loaded with immense dark green pods containing 8 or 9 large, luscious peas. Productive, and of such good quality it is deserving of a place in every home garden. Largest pod of all the early dwarf varieties, and earlier than Gradus. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.

NOTT'S EXCELSIOR. Extra early dwarf growth. Excellent for home garden; hardy and vigorous, and will mature in 60 days. The pods are filled with 7 to 9 large peas, superior in sweetness and quality. Large and vigorous vines bearing an enormous yield. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.

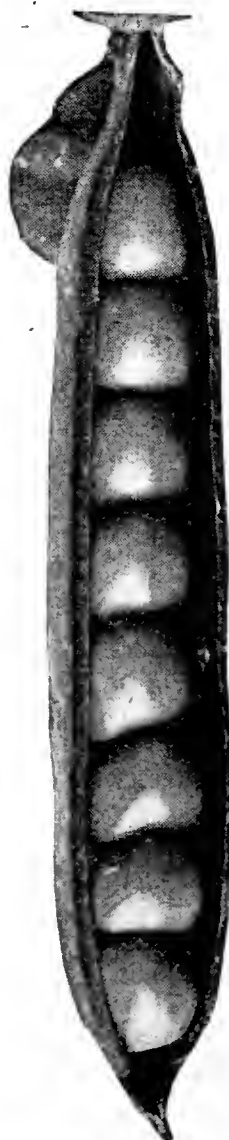
LAXTON'S PROGRESS. A delicious new Pea, about 18 inches tall. Ready a few days earlier than Laxtonian. Pods are 4 inches long and tightly packed with 8 to 10 large, sweet, green peas. The dwarf, vigorous vines average 18 inches in height and carry an enormous crop, bearing in 53 days. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.

LITTLE MARVEL. The Little Marvel Pea in size and shape all podded is very similar to the Nott's Excelsior but far more prolific. It is of exceptionally fine quality and enormously productive. The pods of this Pea are about 3 to 4 inches long. It should be planted in every garden. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.

Extra Early Varieties of Taller Growth

ALASKA. Very early, smooth, blue Pea. Popular with canners and market gardeners for a first early sort. Height $2\frac{1}{2}$ feet. Foliage and pods light green; pods $2\frac{1}{2}$ inches long, round, straight and square ended, containing 6 light green peas. Very uniform in maturity. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

GRADUS. A remarkable variety, combining earliness and Peas of largest size and best quality. Mature soon after Nott's Excelsior. Vine resembles the Telephone but is only 3 to $3\frac{1}{2}$ feet high on rich land; productive. Pods 4 inches long, straight, slightly curved at end, light green, well filled. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.



Laxton's Progress.

GARDEN PEAS—Continued.

MARKET SURPRISE. This is a smooth seeded sort, and, like all of the class, may be planted very early. It is the earliest maturing variety to date, vines growing to a height of about 30 inches, bearing abundantly pods 3 to 3¼ inches long, well filled with peas of the finest quality. Every garden, large or small, should give this new sort a trial. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

THOMAS LAXTON. Vine of about the same height as the Gradus, of similar habits but much darker, hardier and more productive. More attractive and better filled with peas as large and equal in quality. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.

ROSS' WORLD'S RECORD. A large, early wrinkled Pea with pods 3½ to 4 inches long. The pods are well filled with peas of excellent quality. The vines are vigorous, growing about 36 to 40 inches high. Peas are ready to pick 4 or 5 days before Gradus. A variety which should be in every garden. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.

Second-Early Medium and Late Varieties

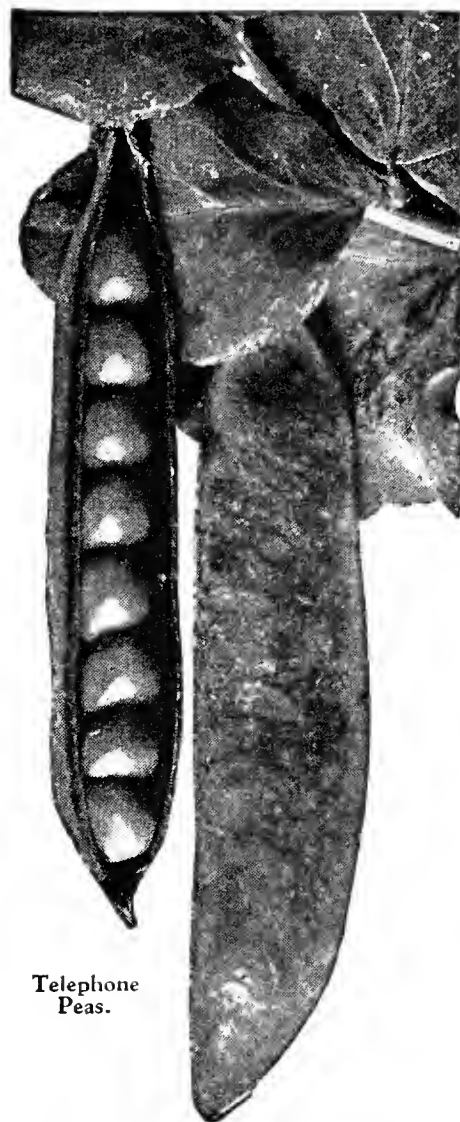
ALDERMAN. This midseason Pea, tall growing, is of English origin, and a few days later than the "Improved Telephone." Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.

CHAMPION OF ENGLAND. Vine 4½ to 5 ft. high; productive. Pods 2¾ to 3 inches long, broad, well filled. Peas of medium size. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.

DWARF CHAMPION. A variety claimed to be equal in quality to Champion of England. Both peas and pods are considerably larger and vine is only about 2 feet high. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

EVERBEARING. An excellent variety of branching habit. Pods 3 inches long. Height 3 feet. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

TELEPHONE. Extensively grown. Vine 3½ to 4 feet. Productive on good soil. Pods large. Peas above medium size, of best quality. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.



Telephone Peas.

Ross' Giant Peppers

An ounce will produce from 1500 to 2000 plants.

Sow in hotbed in March or April; transplant in open ground when all danger from frost is over, in rows 3 feet apart and 2 feet apart in the row. Seed can be sown outside late in May. Cover seed one-half inch and thin as above.

BELL OR BULL NOSE. Large, bell-shaped, thick-fleshed and less pungent than some other sorts. Good for filling. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.



Ruby Giant Pepper.

CHINESE GIANT. Mammoth fruits measuring 12 to 15 inches in circumference, also early and prolific. The flesh is thick, tender, mild and sweet. Unexcelled for use as salads. Pkt., 10c; ½ oz., 35c; oz., 60c.

HARRIS' EARLY GIANT. The earliest known Pepper and for the far North the most desirable. Plant very dwarf and compact in growth and extremely productive. Fruit 3-lobed, 3½ inches in length by 2½ inches diameter, very mild and sweet. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

CALIFORNIA WONDER. A midseason variety, mild and sweet, about 4½ inches long by 4 inches in diameter. Heavy walls, bright green changing to brilliant crimson. Pkt., 10c; ½ oz., 25c; oz., 40c.

LONG RED CAYENNE. Fruit very slim, pointed, about 4 inches long, and when ripe, bright red. Extremely pungent. Pkt., 10c; ½ oz., 25c; oz., 40c.

NEAPOLITAN. A great market variety on account of its earliness and productiveness. Grows about 3½ inches long and is remarkably sweet. Pkt., 10c; ½ oz., 25c; oz., 40c.

RED CHERRY. Pkt., 10c; ½ oz., 25c; oz., 40c.

RED CHILI. Pkt., 10c; ½ oz., 25c; oz., 40c.

RUBY GIANT. A hybrid of Ruby King and Chinese Giant. It combines the large size of Chinese Giant and the productiveness, shape and color of the Ruby King. The flesh is thick, mild and sweet. Often 5 inches long. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

RUBY KING. Pkt., 10c; ½ oz., 25c; oz., 40c.

SQUASH OR TOMATO SHAPED. Fruit flat or tomato-shaped and somewhat ribbed, flesh thick and slightly more pungent than other large sorts, early and sure to mature. Pkt., 10c; ½ oz., 25c; oz., 40c.

SWEET MOUNTAIN. Fruit very large, often 8 inches long by 2 inches in diameter. Flesh thick, sweet and mild. Pkt., 10c; ½ oz., 25c; oz., 40c.

Maine-Grown Certified Seed Potatoes

CULTURE. Cut the seed into pieces containing two or three eyes. Plant in rows 3 feet apart, and drop 15 to 18 inches apart in the row. One-half peck of Potatoes should be sufficient to plant 100 feet of row; ten to twelve bushels of seed are required per acre. Cultivate constantly and thoroughly, and work the soil well up around the plants. Spray for both insects and blight.

What "Certified Potatoes" Means

It means as much to the planter as pure bred stock means to the live stock breeder. Certified stock brings to you seed that will increase your yield and produce potatoes practically disease free. This means increased profit to the grower. Certified seed costs very little more and considering the additional value of the crop this increased cost is of no importance.

Plant Certified Seed

Each season we find more attention being given by the planter to the selection of seed potatoes and it is through this care that some of our own Worcester County farmers have produced unusual crops of potatoes of excellent quality. A tremendous amount of work has been done for the production of Certified potatoes in our Northern New England States and as Maine has been and is at this time our heaviest potato producing state, much of the work in certifying has been carried on by the Department of Agriculture there.

Our seed stock, grown in Aroostook County, Maine, by some of the state's best growers, comes to you each full sack bearing the certification tag as an insurance of quality and disease-free seed stock.

Certified Gold Coin

Productive and of unsurpassed quality. Very uniform in size, never over-large, but few small tubers. Form oblong, rather broad and thick. Skin almost white, with just enough of a light golden tinge to make it distinct from the white-skinned varieties and having that rich russet appearance generally considered an indication of good quality. Vine of strong, vigorous growth, not easily affected with blight.

Certified Green Mountain

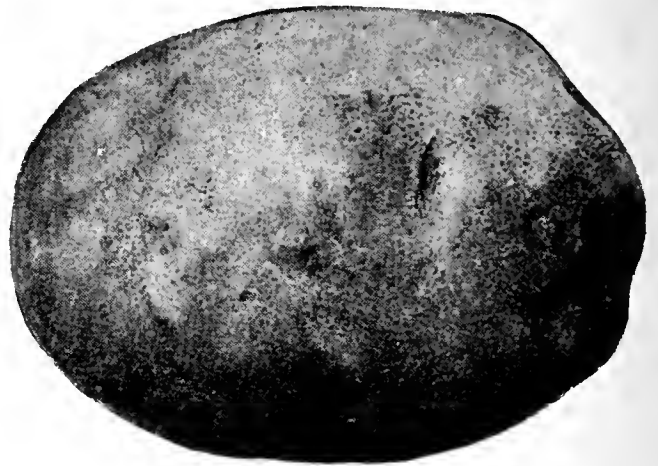
A white skinned variety of flat, oval form, smooth and attractive. Ripens slowly and is a good keeper. Quality excellent when well grown. This variety has been growing in popularity and is now the leader of all varieties for general crop.

Potato Prices

Subject to Change Without Notice

Certified Seed

100 lbs., \$2.50; 60 lbs., \$1.60; 30 lbs., 85c; 15 lbs., 45c.



Irish Cobbler.

Certified Irish Cobblers

An early, white-skinned variety, very short, thick, inclining to round. This is yearly increasing in popularity for the early market. Ready for market about ten days earlier than the Early Rose; tubers are uniformly larger and in average production of large crops it is not equaled by any of the extra early varieties, nor greatly surpassed in yield by any of the main crop varieties. The vine is very stocky and vigorous, not as liable to be affected with blight or to suffer by drought as most others. A dependable early variety.

Certified Spaulding Rose

(Medium early). Practically free from blight and rot. It yields well in all climates and is in one section of Florida being planted almost exclusively. In color resembles the Early Rose, shape similar, inclines to the oblong and is thicker.

Selected Early Rose

(Early). Its tubers are roundish, oblong and somewhat flat, while the skin is flesh-colored or pink. Not as prolific as some of the later sorts, but is extremely early. 100 lbs., \$2.75; 60 lbs., \$1.75; 30 lbs., 90c; 15 lbs., 50c.

Selected Carman No. 3

A handsome, round white variety of the best quality; large, almost no small tubers. Claimed by the introducer to outyield any potato of its class. Vines large and vigorous, not troubled by bugs, or blight as much as those of other sorts. 100 lbs., \$2.50; 60 lbs., \$1.60; 30 lbs., 85c; 15 lbs., 45c.



Green Mountain.

Ross Bros. Co., Oct. 21, 1932.
179-181 Commercial St., Worcester, Mass.

Gentlemen:

We wish to thank you, not only for your co-operation and kindness, but also for sending us such superior fertilizer.

The Armour Big Crop 6-11-10 at the rate of 1 ton per acre, all in the row, enabled us to raise 500 bu. of excellent potatoes on 1 1/4 acres of land, or 400 bu. per acre.

This was on land that a year ago was condemned as being unfit to raise a crop unless it was limed.

Yours truly,

(Signed) E. I. CHURCH & CO.

Do you receive our fall catalog for Dutch bulbs? We list a full line of Tulips, Hyacinths and miscellaneous bulbs, also American grown Narcissus. If you do not receive this book, send us your name and address and we will gladly put you on our mailing list for our next fall catalog.

Choicest Pumpkins

An ounce will plant 50 hills.

SMALL SUGAR. The popular variety in New England for pies; fine-grained and sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

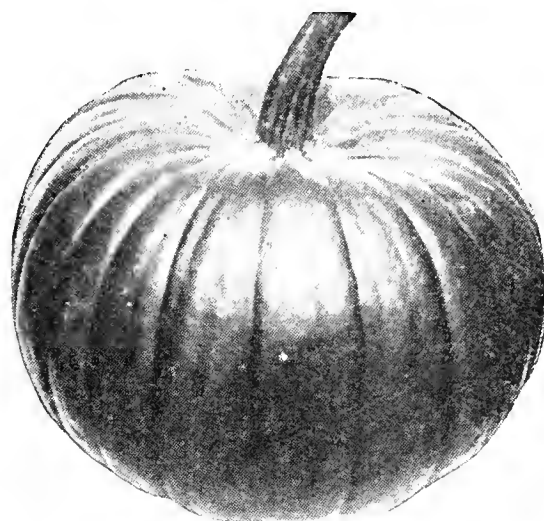
LARGE CHEESE OR KENTUCKY FIELD. Shape flat, skin of rich cream color when ripe, flesh tender and of fine quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

MAMMOTH TOURS. One of the largest in cultivation, good for feeding stock. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

CONNECTICUT FIELD. The standard variety for feeding stock. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

JUMBO OR KING OF THE MAMMOTHS. The largest of all Pumpkins. Skin, orange-salmon; flesh, bright yellow, very thick, fine grained and of excellent quality for pies. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

QUAKER PIE. Fruits broad, pear-shaped to slightly oval; skin rich cream-buff; flesh fine grained and of rich flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.



Crisp, Tender Radishes

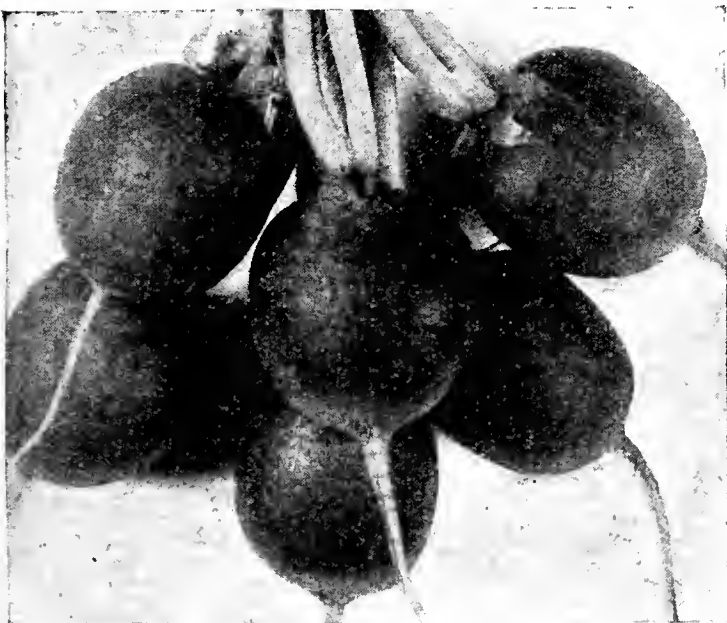
An ounce will sow 150 feet of drill.

The secret in growing good Radishes consists chiefly in the observance on the part of the grower of three points. First, they should be grown on light, quick soil. Second, they should be given plenty of water, and last, but by no means least, the right kind of seed should be sown. For the first crop sow as early in spring as ground can be worked, and every two weeks throughout the season for succession.

A warm, sandy loam, made rich and light by strong manure, is best. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August. One ounce will sow 100 feet of drill, 8 to 10 pounds per acre.

EARLY SCARLET GLOBE. A very early globe-shaped Radish suitable for forcing or open ground. The Radishes are of handsome shape, attractive bright red, and are crisp, solid and of the finest quality. They grow so rapidly that under favorable circumstances they may be pulled 20 days from sowing the seed. This is the most popular variety for forcing. Our seed is of the very finest strain grown from transplanted roots and will be found unsurpassed. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

CRIMSON GIANT. An early but large, round or slightly globular Radish adapted for either forcing or outdoor cultivation. While it grows much larger than other forcing varieties, it does not become pithy under glass, nor outdoors, even when it is twice as large and older. Beautiful crimson-carmine, attractive and of fine quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.



Early Scarlet Globe Radish.

EARLY SCARLET TURNIP. A small, round variety, with small tops; quick grower. Popular for forcing and outdoors. Deep scarlet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

EARLY SCARLET TURNIP, White-Tipped. Root nearly round, slightly flattened at bottom, bright scarlet with tip of clear white, early and attractive; suitable for forcing and outside planting. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

EARLY LONG SCARLET, Short-Top. Once the most popular Radish but has been largely displaced by the round varieties; 6 to 8 inches long, ready to pull in 25 to 30 days. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

EARLY WHITE GIANT STUTTGART. Root large, clear white, often 4 inches in diameter. Can be stored for winter use. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

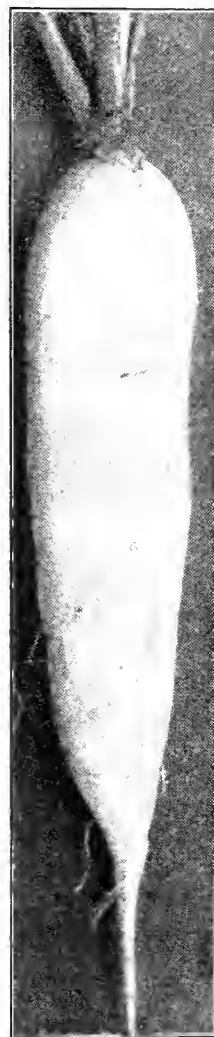
FRENCH BREAKFAST. Stump-rooted; about 3 in. long. Bright scarlet, tipped white. An old favorite. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

LONG BLACK SPANISH WINTER. One of the hardiest and best for winter use. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

ROUND BLACK SPANISH. White flesh with black skin. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

WHITE ICICLE. The earliest pure white, long, summer Radish of most excellent quality. Roots when matured are 5 to 6 inches long by about $\frac{1}{2}$ inch in diameter. One of the best outdoor summer Radishes. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

WHITE STRASSBURG. A fine summer variety, growing about 4 inches long and 2 inches thick. Pure white. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.



White Strassburg.

Spinach

An ounce will sow 100 feet of drill, 14 to 16 pounds to the acre.

CULTURE. For spring and summer use, sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked, and every two weeks for a succession. For winter and early spring use, sow in September in well-manured ground; cover with straw on the approach of severe cold weather. The ground cannot be too rich.

EARLY GIANT THICK-LEAVED. Leaves very large and thick, deep green, attaining a size suitable for use early and plant grows to a large size before running to seed. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

PRINCESS JULIANA. (New). The best second-early variety. Plants grow close to the ground and have dark green, crumpled leaves which retain their crispness for a long time after being cut. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

KING OF DENMARK. Also known as "Antvorskov." This new variety is the most valuable introduction in recent years. Although the plants are ready for use almost as soon as the medium early sorts, they remain in good condition for a week to two weeks after other varieties have gone to seed. The plants are of rapid growth, resemble the Long Season in type, but leaves are more crumpled or blistered and are of darker green color. The leaves are thick, stand well after cutting and are of good quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

BLOOMSDALE LONG STANDING. In appearance quite similar to the Bloomsdale strain, the leaves being more intensively green. On account of the low percent of male plants it stands heat remarkably well. After other kinds have gone to seed this will stand for a long time. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

SAVOY-LEAVED, or BLOOMSDALE. The earliest variety and used almost entirely for fall sowing, as it runs quickly to seed in warm weather. Leaves of medium size, dark green, pointed and crimped. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

SAVOY, VIRGINIA YELLOWS RESISTANT. It will grow on disease infested soil and produce a crop where others fail. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c.

NEW ZEALAND. The hot weather Spinach. Leaves and stems are succulent and tender. May be picked frequently during the summer. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.



Bloomsdale Long Standing Spinach.

Rhubarb or Pieplant

An ounce should produce 100 plants

The roots can be raised from seed sown in spring, and are ready to transplant to the permanent bed the next spring. The seed must be sown in fine, rich soil, and the seedlings must have good care.

VICTORIA. The most popular variety, fine for family use and market. Comes quite true from seed. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 90c.

RHUBARB ROOTS. Sent by express or parcel post at buyer's expense. 2 for 25c.

Salsify or Vegetable Oyster

An ounce will sow 50 feet of drill.

Sow early and deeper than parsnip, otherwise culture is the same and, like that, roots, if desired, may be left in the ground through the winter, but should be dug very early in the spring, as they deteriorate after growth commences.

MAMMOTH SANDWICH ISLAND. Larger, of strong growth, and less liable to grow spongy than the old Long White. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 90c.

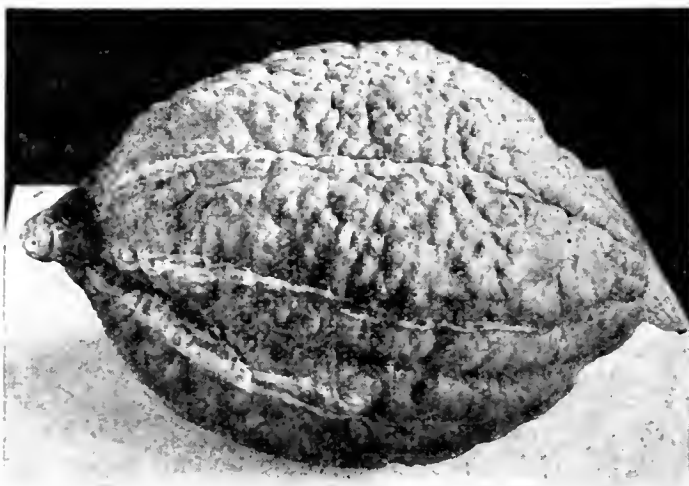
Squash

An ounce will plant from 10 to 25 hills.

Squash seed should be planted at about the same time and in the same manner as cucumbers and melons. The hills should be 9 feet apart each way, slightly elevated and highly manured. Bush varieties may be planted closer together. Use plenty of seed, as the bugs will destroy some plants.

Summer, Fall and Winter Varieties

BLUE HUBBARD. Special Market Gardener's strain. The Symmes Blue Hubbard is an entirely distinct variety resembling the Warty Hubbard in shape. It is a pale light blue color, very thick meated, dry and very sweet; its eating qualities cannot be surpassed. The Blue Hubbard is an exceptionally heavy cropper, producing an extraordinary number of Squashes, which, though not of the largest, are of even size, thus making it very easy to handle and market. It has excellent qualities, keeping, with proper storage, much longer than the Delicious. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.



Blue Hubbard Squash.

SUMMER, FALL, WINTER SQUASH—Continued.

CHICAGO OR WARTED HUBBARD. W.

A selection of the Hubbard, with thickly warted shell. Equal in quality to that and generally considered to be of more attractive appearance. Of this also we offer a carefully selected strain unsurpassed by any we have ever seen. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

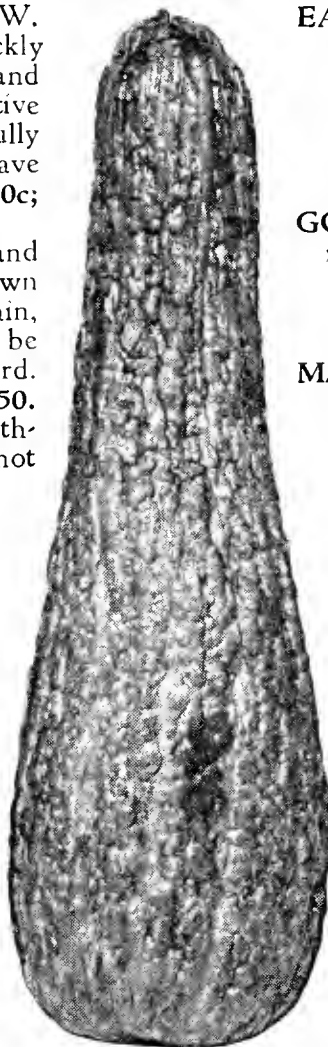
GREEN HUBBARD. W. A well-known and favorite winter variety, more largely grown than any other. We offer a choice strain, considered by some of our customers to be superior to the popular Chicago Hubbard. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

BOSTON MARROW. Grows larger than either the Prolific or Orange Marrow, but not so deep color. Skin thin, yellow, with pinkish tint. Desirable for pies. Not so dry as the Hubbard. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

DELICIOUS. A fall and winter variety. Color, usually dark green. Shell moderately hard but very thin; flesh thick, very fine grained, sweet and of finest flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

EARLY SUMMER CROOKNECK. For early planting the Crookneck type is used in New England to almost the exclusion of any other. This, while much smaller than the Mammoth Crookneck, is yet largely grown, many considering it of better flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

ESSEX HYBRID. An old, well-known orange turban sort. Flesh is dry, sweet and thick, bright orange color. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.



Early Giant Summer
Straight Neck Squash.

EARLY GIANT SUMMER. Early, mostly straight necked and much larger than the Summer Crookneck. A fine quality growing from 14 to 16 inches long. Extensively used by market gardeners and exceptionally good for home gardeners. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

GOLDEN HUBBARD. A rich orange-red instead of the dark olive-green of the old Hubbard, the flesh is thick and little deeper colored. Good quality, fine grained and dry. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

MAMMOTH SUMMER CROOKNECK. Vine larger and of more vigorous growth than the Summer Crookneck and fruit is twice as large and deeper colored. Popular with market gardeners. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

ITALIAN VEGETABLE MARROW. Dark green at first, becoming marbled with yellow as they mature. The young fruits when fried in oil, constitute a vegetable delicacy very popular. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

ORANGE MARROW. An early variety, like the Prolific Marrow in color and pitting, but is more nearly round, later, much thicker meated and of better quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

WARREN TURBAN. Has a shell generally harder and thicker than the Essex Hybrid. The color is a deeper and richer orange, while the quality is decidedly better. Grown very extensively by market gardeners. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

Luscious Meaty Tomatoes

Tomatoes are ideal for a home garden crop, and yield heavily in small spaces.

An ounce will produce about 2,000 plants.

Tomatoes do best on light, warm, not over-rich soil. Sow in hotbed or window-box (where 60 degrees Fahr. is the minimum night temperature) in March, in rows 3 inches apart and $\frac{1}{2}$ inch deep. Cover firmly. Later sowings may be made to the end of April. When seedlings are 3 inches high, transplant 4 inches apart each way in hotbeds, coldframes, or singly in 3-inch pots. Harden plants by exposing to the air occasionally. After warm weather is settled, set out plants 3 to 4 feet apart each way in hills, into each of which fertilizer has been previously mixed. Water freely at time of transplanting and shelter from sun until plants are well established.

ACME. Vine hardy and productive. Fruit in clusters of four to five, round, smooth and of good size; flesh solid and of excellent flavor. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

BEAUTY. Vines large, vigorous and heavy bearers. Fruit large, uniform in size, very smooth, and excellent flavor; color, purplish pink. The best purple sort. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

BONNY BEST. This Tomato has been tested and found eight to ten days earlier than the Chalk's Early Jewel and ripens about with the Earliana. Very strong grower and the fruit is uniform and smooth; ripens evenly all over, excellent shipper. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.



Break o' Day Tomato.

BREAK O' DAY. Ripens almost as early as Earliana, but it has the same depth of fruit and thick walls as Marglobe. Blight resistant. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

TOMATOES—Continued.

CLARK'S EARLY. An improved Bonny Best. Fruit very uniform. Excellent shipper. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

COMET. Fruit medium size, scarlet. The heaviest yield-er of the greenhouse sorts. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.00.

DWARF CHAMPION. Sometimes sold as the "Tree Tomato." A second early, purplish pink variety, especially desirable where garden space is limited. Vine about two feet high, vigorous, upright and compact. Fruits, medium sized, exceptionally smooth and of very good quality. Our stock is a very superior strain with more even, smoother fruit than the original. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

DWARF STONE. Vine dwarf but vigorous and productive. While maturing with the later sorts, the bright red fruits are of good color, exceedingly smooth and very solid. We consider this the best of the large fruited, dwarf tomatoes. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

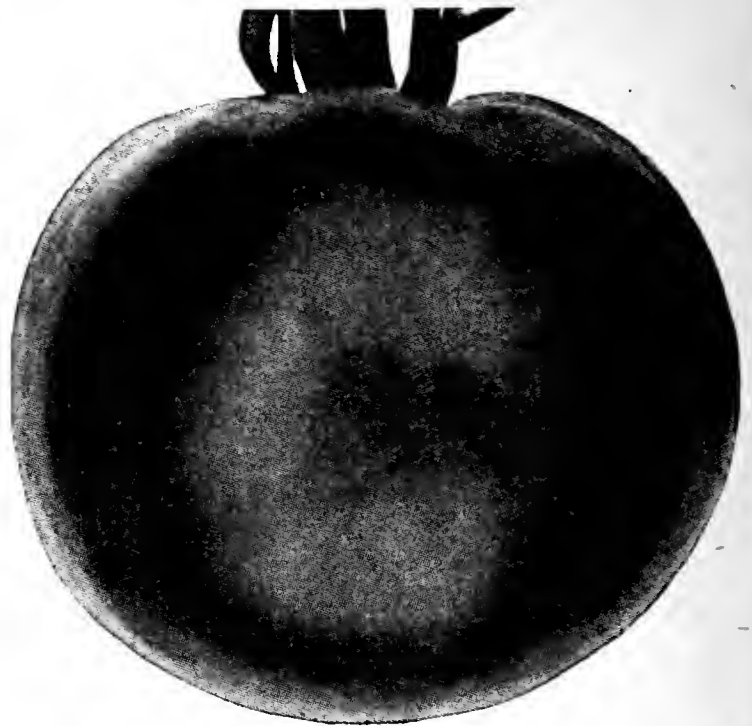
GOLDEN QUEEN. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

JUNE PINK. An extra early, purplish pink Tomato similar to the popular scarlet fruited Earliana in growth of vine, shape and size of fruits and time of maturing. Pkt. 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

JOHN BAER. An extra early scarlet fruited variety of superior merit. The vines are very hardy and exceptionally productive. The fruits are the largest of the extra early and are most attractive in color. They are nearly round, smooth, firm and of excellent quality. It is one of the earliest to ripen and it continues to furnish marketable fruits much longer than the other very early varieties. A valuable sort for market gardeners. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

MARGLOBE. This Tomato is a wilt-resistant variety. The plant is vigorous and the fruit is quite large. This is a globe shape Tomato, the color being a handsome deep red. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb. \$1.25.

PONDEROSA. A large smooth Tomato. Color, deep purple. The fruit is exceptionally solid, with few seeds and is quite free from acid. Ideal for shipping. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.



Marglobe Tomato.

PRITCHARD. A great advance in the early class. Ripens with Earliana and ahead of Bonny Best. A cross between Marglobe and Cooper's Special. Good size intense scarlet, solid, almost no core, small seed pockets; valuable for both market and home garden. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

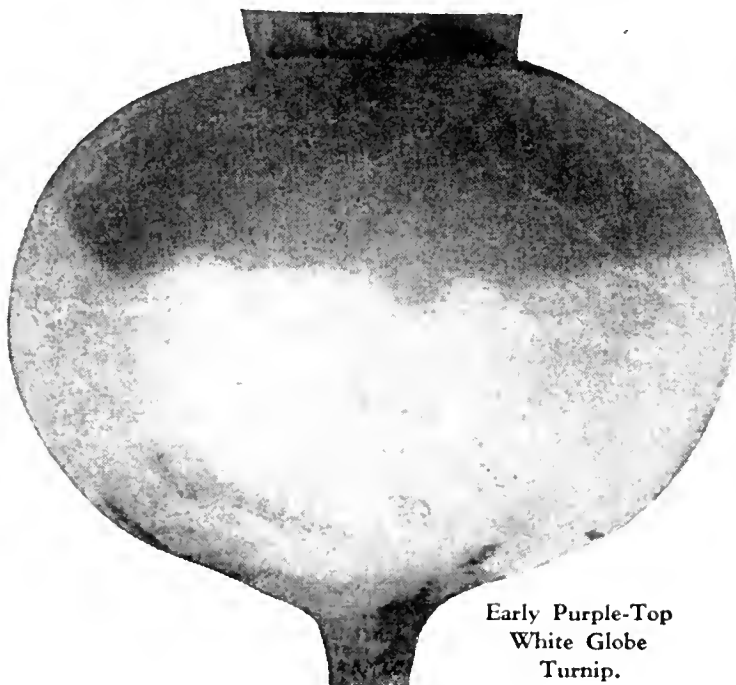
SPARKS' EARLIANA. A deep red Tomato. The vines are compact in growth, with short, close-jointed branches. Extra early and the best so far produced. Very productive. Fruit fair size and firm. Ripens 108 days from date of sowing seed. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

STONE. Vines vigorous and productive; fruit, large, smooth, deep red in color, and heavy. The best all around variety where earliness is not important. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

RED PLUM (Italian). Pkt., 10c.

YELLOW PLUM. Pkt., 10c.

YELLOW HUSK OR STRAWBERRY. Pkt., 10c.

Early Purple-Top
White Globe
Turnip.

The Best Turnips to Plant

An ounce will sow 200 feet of drill. If sown in drills, one pound is required for an acre; if sown broadcast, less seed is sufficient if sown evenly.

CULTURE. For early, sow seed of flat varieties in open ground in spring in drills one foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession, sow every two weeks until June. For fall and winter, sow in July and August. A good crop may often be grown by scattering seed thinly in the corn-field at last cultivation. For Rutabagas, sow seed in seed-bed in spring and transplant to good warm soil, in rows at least 2 feet apart and 8 or 10 inches apart in the rows, or sow in open ground during June and early July. Take up the roots just before winter, top and store in cool cellar, or pit outdoors.

EARLY WHITE MILAN. Roots flat, smooth and symmetrical, pure white. Top very small, upright, and compact, permitting close planting. The earliest and much the best of any extra early white variety. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

EARLY PURPLE MILAN. Differs from the preceding in that the roots are not quite so thick and are purple on top. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

THE BEST TURNIPS TO PLANT—Continued.

EARLY PURPLE-TOP FLAT. A well-known variety and very extensively grown. Roots smooth, white, with the upper portion purplish red. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

EARLY PURPLE-TOP WHITE GLOBE. One of the handsomest varieties, the upper portions of the root being a purplish red, the lower pure white. A rapid grower, attaining a marketable size sooner than other large globular varieties. Of the best quality and an excellent keeper. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

WHITE EGG. More extensively grown than any other variety. White, egg-shaped, smooth and symmetrical, of medium size; flesh firm, sweet and mild. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

GOLDEN BALL, or ORANGE JELLY. Of globular form, medium size, skin rich orange; flesh, pale amber, very fine-grained, mild and sweet. One of the most attractive, of the best quality and keeps well. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

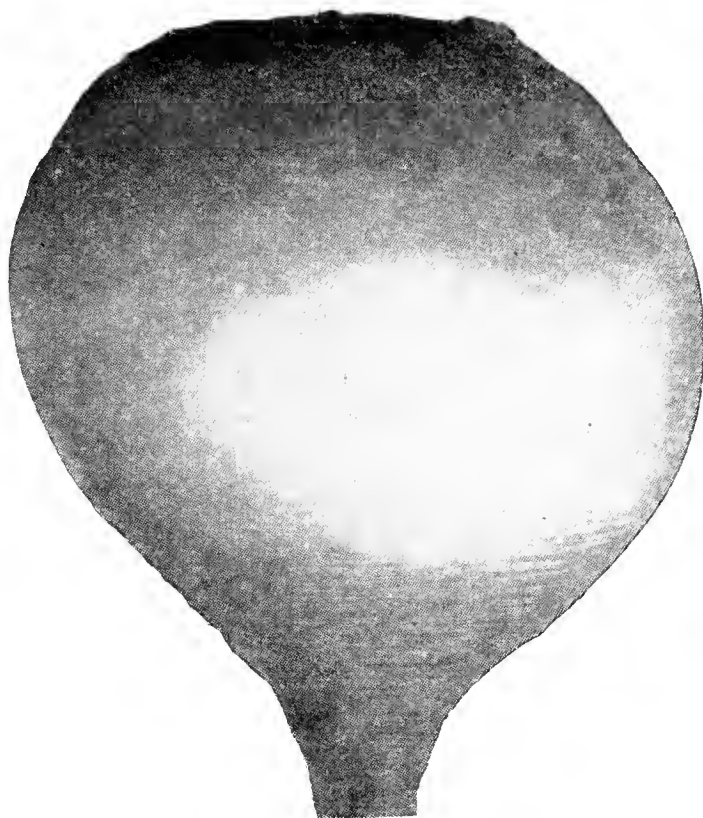
YELLOW GLOBE. The standard yellow variety. The form is round, slightly flattened. Largely grown for stock, and to some extent for market. An excellent keeper. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

COW HORN, or LONG WHITE. Root long, slightly crooked and grows nearly half above ground. Clear white, except a little green at top. Though more largely used for feeding stock, it is a fine table variety, being tender and of mild flavor. Of very rapid growth. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

Swedish, Russian or Rutabaga

SWEET RUSSIAN. An old variety, yet largely grown, mainly for table use. Sweet and mild. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

WHITE FRENCH, or ROCK. Also an old and popular sort. Roots a little longer than Sweet Russian, but does not otherwise differ. Valuable for table or feeding. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.



Long Island Improved Rutabaga.

BREADSTONE. An early variety, white, faintly colored at top; medium size, tender, mild and sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

SHAMROCK. A popular English Yellow Swede. A decided favorite with our local trade. Has short neck, shape oblong. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

LONG ISLAND IMPROVED. This is undoubtedly the finest variety of Purple-Top Rutabaga. It grows much larger than other American varieties, is, therefore, desirable for stock, but equally desirable for the table and market, as it is tender and sweet and of very attractive appearance. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

Tobacco

CONNECTICUT SEED LEAF. A hardy cigar variety, well adapted to growing in the Middle and Northern States. Pkt., 10c; oz., 40c.

HAVANA. Leaf very thin, fine texture. Much used for cigar wrappers. Pkt., 10c; oz., 40c.

Herbs

	Oz.	Pkt.		Oz.	Pkt.
Anise		\$0.10	Lavender	\$0.50	\$0.10
Caraway	\$0.30	.10	Marjoram, Sweet..	.35	.10
Catnip .....		.10	Sage .....	.40	.10
Coriander .....		.10	Savory, Summer ..	.35	.10
Dill .....	.15	.10	Sweet Basil .....	.30	.10
Fennel .....	.50	.10	Thyme .....	.35	.10

Seeds Used for Flavoring and Pickling

	Oz.		Oz.
Caraway	\$0.20	Dill	\$0.10
Celery .....	.10	Fennel .....	.20
Coriander .....	.20	Mustard .....	.10

Bird Seeds

	Best re-cleaned; for feeding only.	Lb.	100 lbs.
Canary		\$0.15	\$ 8.00
Hemp .....		.12	7.50
Lettuce .....		.30	28.00
Rape .....		.12	8.50
Sunflower, striped .....		.12	8.50
Flax .....		.16	11.00

Raffia for Tying

Raffia is the straw colored inner skin of a palm found in Madagascar. It is very strong and tough but soft and flexible, which makes it the very best material for tying vegetables, plants, vines, etc. It is better than twine, as it does not cut the plants and is much stronger. It is also used for making baskets. Raffia comes in hanks from 1 to 5 lbs. We offer the best grade. Price per pound, 30c, not postpaid.

Dutch Bulbs

Do you receive our fall catalog for Dutch bulbs? We list a full line of Tulips, Hyacinths and miscellaneous bulbs, also American grown Narcissus. If you do not receive this book, send us your name and address and we will gladly put you on our mailing list for our next fall catalog.

SEED INOCULATION

STIMUGERM
LEGUME INOCULATION

FOR ALFALFA, CLOVER, BEANS, PEAS, VETCH, ETC.
ORDER BY NUMBER OR SEED TO INOCULATE

- No. 1. Red, Mammoth, Alsike, Crimson and White Clovers.
No. 2. Alfalfa and Sweet Clovers.
 ½ bu. size\$0.35
 1 bu. size65
 2½ bu. size 1.40
No. 3. All Vetches, Canada Field Peas, Sweet and Garden Peas.
No. 8. Garden Beans, Field Beans.
 1 bu. size\$0.35
 2 bu. size65
 5 bu. size 1.40
No. 7. Cow Peas, Peanuts, Lima Beans.
No. 9. Soy Beans.
 1 bu. size\$0.35
 2 bu. size65
 5 bu. size 1.40
No. 5. Garden Size for Peas, Beans and Sweet Peas25
(Add for Postage: 5c for Garden and ½ bu. sizes; larger sizes, 10c).

Ross' Choice Seeds of Annual Flowers

Annuals are flowers that sprout from seed, all of which die within the limits of the garden year. Being inexpensive, they appeal to both the home owner and renter. It is possible to enjoy at a low cost all of nature's beauty in color and fragrance. The many varieties we offer in the book are carefully selected to supply the utmost in flower beauty and satisfaction.

Asters, Queen of the Annuals

In recent years we have paid particular attention to American grown Asters, for they have greatly increased the popularity of this flower. We know of no other flower so easily raised from seed, which combines so much beauty with grace and usefulness and is more satisfactory than Asters. They make a brilliant effect when grown in masses and furnish a constant supply of cut flowers. Every garden, large or small, should contain Asters.

CALIFORNIA GIANT SINGLE

This Aster was developed out of the California Giant Double type. The flowers are large, measuring three to four inches across, with stems 18 to 24 inches in length. The petal has a slight twist, which adds a piquant touch to its beauty. The white blossoms resemble Shasta Daisies in appearance, but their greater length of stem makes them more graceful and better adapted to florists' use. In the garden Aster, California Giant Single adds a charming note of simplicity among the fuller types of Asters. We believe this new, single type of Aster is destined to become very popular.

15 Finest Mixed. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c; 1/2 oz., \$1.40.

CALIFORNIA SUNSHINE

An attractive anemone flowered variety, particularly fine for cutting.

24 Mixed Colors. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

CALIFORNIA GIANT DOUBLE

We take pleasure in recommending this type as the best Aster on the market today. Characterized by the well known Crego or Ostrich Feather type of flower, combined with the Beauty Asters' long, non-lateral branching stems and sturdy habit of growth, the California Giant Double type of Aster stands at the head of the list, not only for florists' use but also for private gardens where quality is appreciated.

8 White. New; fine. 10 Light Blue. 12 Deep Rose.
9 Peach Blossom. 11 Light Purple. 13 Dark Purple.

Pkt., 10c; 1/16 oz., 30c; 1/8 oz., 50c; 1/4 oz., 90c.

14 MIXTURE OF ABOVE: Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c; 1/2 oz., \$1.40.

32 HEART OF FRANCE

The best pure-red Aster ever introduced. All others have sombre shades of blue or too much yellow in the color pigments. Heart of France opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft, warm, velvety texture. Pkt., 10c; 1/4 oz., 75c; 1/8 oz., 40c.

32A LILLIPUT-FLOWERED

Comparing in size with the Lilliput Zinnias, these baby flowered asters fill a very definite place in the border or cut-flower garden. The flowers are tiny and buttonlike in form, coming in profuse clusters on medium length stems. Mixed. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

IMPROVED CREGO

Plants robust, branching, about 2 1/2 ft. Flowers large, double and well formed; one of the finest varieties for all purposes.

33 Shall Pink. 34 Lavender. 35 White. 35A Finest Mixed.
Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

36 PINK ENCHANTRESS

This splendid Aster, introduced recently, is highly commended, and large quantities are grown annually by commercial florists. The immense flowers of a soft, delicate pink are borne on strong upright plants. The color is that of the popular "Pink Enchantress" Carnation. In Asters, the color is between that of Daybreak and the Semple's Pink Branching and, although very delicate, does not fade. In size, the flowers are equal to those of the largest Branching Asters. Pkt., 10c; 1/8 oz., 60c; 1/4 oz., \$1.10.

QUEEN OF THE MARKET

A very early blooming strain, which, though plant is only 1 1/4 feet high, bears from ten to fifteen well-formed, medium-sized flowers on long stems. Much used by florists.

37 White. 40 Pink.
38 Rose. 41 Crimson.
39 Light Blue. 42 Mixed Colors.

Each pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

43 DAYBREAK

Flowers very large and full, and borne on long stems; color, a beautiful shell-pink. The plant blooms early and profusely and is of a strong and compact habit. Very popular; 2 feet. Pkt., 10c; 1/8 oz., 50c.

44 PURITY

Pure white. A desirable companion to Daybreak. Identical in form of flowers and general habit. Blooms at the same time. Pkt., 10c; 1/8 oz., 50c.

45 LAVENDER DAYBREAK

Soft, clear lavender. Of same type as Purity and Daybreak. Pkt., 10c; 1/8 oz., 50c.

ROYAL

This is considered by many to be the very best general purpose Aster ever introduced. It is very much like our American Branching variety, having all its good qualities, but coming into bloom in July or early August and lasting in perfect condition for a long time. The habit of the plants and their free flowering make them very desirable for beds or borders, and the long stemmed flowers are ideal for cutting.

46 Shell Pink. 48 Lavender.
47 White. 49 Mixed Colors.
Pkt., 10c; 1/8 oz., 60c.

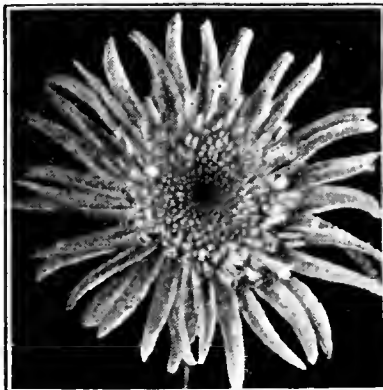
VICTORIA

Considered for a long time one of the finest types and improved in recent years. The flowers are large, double, imbricated, having petals which curve outward like those of the Show Dahlias. Bears freely, beautiful long-stemmed flowers.

62 MIXED COLORS. A superb mixture. Pkt., 10c; 1/8 oz., 40c.



Queen of the Market Aster.



Sunshine Aster.



Giant of California Aster.

NOTE: Please Order by number as well as name.

Ross' Choice Annual Flower Seeds

Asters—Queen of the Flowers

GIANT BRANCHING COMET

Distinct and valuable; flowers resemble the Japanese Chrysanthemum. Not only larger, but petals are longer and somewhat broader than the old Comet section. The plant is of vigorous, luxuriant growth and produces freely its long-stemmed graceful flowers. 1½ to 2 feet.

- | | |
|------------------|----------------|
| 70 White. | 74 Lavender. |
| 71 Light Yellow. | 75 Crimson. |
| 73 Rose. | 76 Shell Pink. |

Each, pkt., 10c; ⅛ oz., 40c.

80 MIXED COLORS. Many colors and shades. Pkt., 10c; ⅛ oz., 40c.

AMERICAN BRANCHING

A superior late-blooming strain of American origin. The flowers are of the largest size, borne on long, graceful stems often 15 or more inches in length, are exceedingly beautiful and unsurpassed for cutting. The plants are of extra large and strong growth, and bloom profusely. 2½ feet.

- | | |
|---------------|-------------------|
| 108 White. | 111 Crimson. |
| 109 Pink. | 112 Purple. |
| 110 Lavender. | 116 Mixed Colors. |
- Each, pkt., 10c; ⅛ oz., 40c; ¼ oz., 75c.

SEMPLE'S BRANCHING

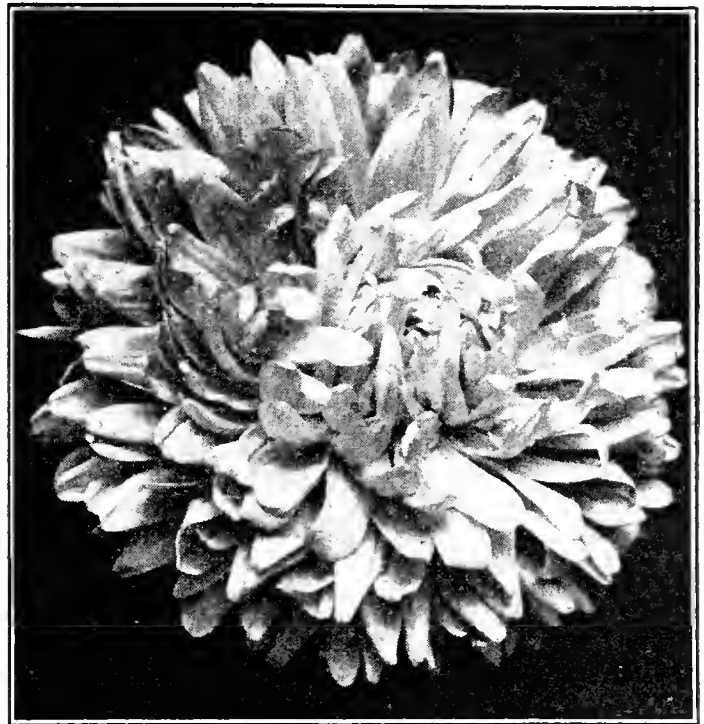
The plants of this Early Branching Aster attain the size and vigor of the famous American Branching, but bloom from 10 days to 2 weeks earlier. Extra large, perfectly formed flowers on long, stiff stems make them especially desirable for cutting, for exhibitions or for sale.

- | | |
|-----------------|--------------|
| 118 Lavender. | 121 Crimson. |
| 119 White. | 122 Mixed. |
| 120 Shell Pink. | |

Each, pkt., 10c; ⅛ oz., 40c; ¼ oz., 75c.

124 WORCESTER MIXTURE

Our own mixture of the leading choice varieties includes every color and shade known among Asters, and will afford, especially if purchased in bulk, the greatest discovery of both colors and types. Purchaser of a single packet may be certain of securing a choice collection of desirable varieties. Pkt., 10c; ⅛ oz., 40c; ¼ oz., 75c; oz., \$2.75.



American Branching Aster.

125 GOOD MIXED

Our own mixture of many varieties; a wide range of colors. Pkt., 10c; ⅛ oz., 30c; ¼ oz., 50c; oz., \$1.75.

ASTERMUM

A strain of Giant Comet Asters which, on account of their immense size and Chrysanthemum-like appearance, have appropriately been named Astermums. The plants grow about 2 feet high with long, strong stems and should come into bloom about the middle of August.

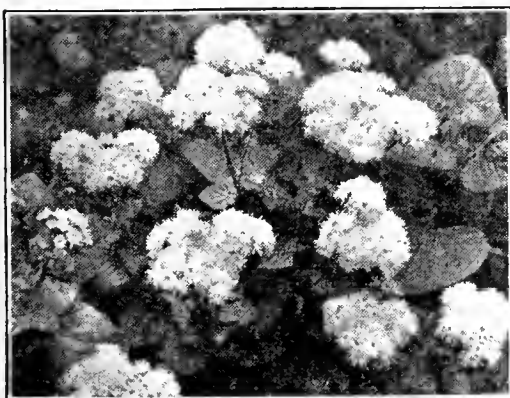
126 White. 127 Pink. 128 Lavender. Pkt., 10c; ⅛ oz., 35c.

Ageratum (Floss Flower)

Hardy Annual

A plant of the greatest beauty and value for garden or window, unexcelled for border, rock garden or bedding. Early and constant bloomer.

- 148 MEXICANUM. Blue. 1½ feet. Pkt., 10c; ¼ oz., 30c; oz., 80c.
- 149 MEXICANUM ALBUM. White, 1½ feet. Pkt., 10c; ¼ oz., 30c; oz., 80c.
- 151 LITTLE DORRIT. Azure-blue. 8 inches. Pkt., 10c; ¼ oz., 30c; oz., 80c.
- 153 LITTLE BLUE STAR. A miniature variety with beautiful mauve flowers. 5 inches. Pkt., 10c; ⅛ oz., 60c; ¼ oz., \$1.00.
- 154 BLUE PERFECTION. Large heads of Amethyst-blue flowers; plant of very even growth, about 8 inches high. Pkt., 10c; ⅛ oz., 25c.
- 155 DWARF BLUE CAP. This is by far the best all around dwarf Ageratum yet produced. Pkt., 10c; ⅛ oz., 50c; ¼ oz., 90c.
- 158 MIXED COLORS. All varieties mixed. Pkt., 10c; ½ oz., 30c; oz., 55c.



Ageratum—Little Blue Star.

Acroclinium (Everlasting Flower)

One of the so-called everlasting flowers, which, when cut and dried, is very valuable for winter bouquets. A graceful plant, growing about 15 inches high and bearing lovely rose and white flowers, which are very effective in beds or borders during the summer, but it is for their use in a dried state during the winter that they are extensively grown.

139 Light Rose and Pure White. Mixed. Pkt., 10c; ¼ oz., 20c.

Agrostemma

Pretty, free-blooming plants of easy culture, especially desirable for dry situations. Excellent for cutting.

160 COELI-ROSA (Rose of Heaven). Rose, white center. Hardy annual. 1½ feet. Pkt., 10c; ⅛ oz., 35c.



Acroclinium.

Amaranthus

Brilliantly colored foliage, and bearing peculiarly formed flowers. While in rich soil the plants and leaves are much larger, the colors are seldom as brilliant as when grown on rather poor soil. Of easiest culture. Give plenty of room to develop.

175 CAUDATUS (Love-Lies-Bleeding). Long, drooping flower, blood red. Half-hardy annual. 2 feet. Pkt., 10; ⅛ oz., 25c.

178 TRICOLOR SPLENDENS (Joseph's Coat). Red, yellow, and green foliage. One of the most beautiful of ornamental-leaved Amaranthus. Pkt., 10c; ¼ oz., 30c.

Ross' Choice Annual Flower Seeds

Alyssum

A well-known favorite, hardy annual, blooming profusely the entire season. Excellent for edging. No other white flower is so well adapted for a dense, low carpet, or as borders and ribbons in garden work. Extremely fragrant and frequently used for bouquets. Sow seed early in April.

- 166 SWEET ALYSSUM. Fragrant, white. 1 foot. Pkt., 10c; 1/4 oz., 25c; oz., 75c.
 167 LITTLE GEM. Of spreading habit, forming compact masses of bloom often a foot or more in diameter. White, fragrant. 6 inches. Pkt., 10c; 1/4 oz., 25c; oz., 75c.
 168 CARPET OF SNOW. Of very dwarf habit; white, fragrant. 4 inches. Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c.
 169 LILAC QUEEN. Beautiful soft lilac flowers changing to white as they age. Pkt., 10c; 1/8 oz., 25c.
 171 LITTLE DORRIT. Little bushes fairly smothered with miniature white flowers. A gem for edging and beds. 4 inches high. Pkt., 10c; 1/4 oz., 35c; oz., \$1.25.

Anchusa

- 185 CAPENSIS (Cape Forget-me-not). Attractive annual with azure-blue flowers. 1 1/2 feet. Pkt., 10c.

Antirrhinum (Snapdragon)

One of the most beautiful and useful bedding plants, blooming profusely throughout the summer. Fine for cutting.

- 191 SILVER PINK. A splendid commercial variety, long-stemmed, large flowered, delicate rosy pink, seemingly covered with a silver sheen. Pkt., 10c; 1/16 oz., 30c.
 192 VENUS. A bright pink on white ground, set off by pure white throat. Pkt., 10c; 1/8 oz., 35c.
 Tall Varieties: 193 Rose. 194 Crimson. 195 White. 196 Yellow. 197 Mixed. Pkt., 10c; 1/8 oz., 20c; oz., \$1.00.
 198 GRANDIFLORA. Giant varieties. Mixed, pkt., 10c; 1/4 oz., 35c.
 199 DWARF VARIETIES. Mixed colors. Pkt., 10c; 1/4 oz., 35c.

Arctotis

- 210 GRANDIS (Blue-eyed African Daisy). 3 ft. It forms bushes bearing 2-inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted under sides. Foliage gray green. Especially good cut flower. Pkt., 10c; 1/4 oz., 35c; 1/2 oz., 60c.
 211 HYBRIDS. Showy daisy-like flowers, red and orange shades. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

Asparagus

- 216 PLUMOSUS NANUS. Beautiful house plants. The feathery foliage is unrivaled for cutting. Pkt., 15c.
 217 SPRENGERI. Excellent plants for table decorations. Pkt., 15c.

Balsam

They are among the showiest and most popular of our summer garden annuals, forming bushy plants, covered with double flowers of brilliant colors.

- 225 IMPROVED CAMELLIA-FLOWERED. Mixed colors. Double flowers of the finest type and a wide range of beautiful colors. Pkt., 10c; 1/4 oz., 40c.
 227 DOUBLE DARK RED. Beautiful rich color. Pkt., 10c; 1/4 oz., 40c.
 228 DOUBLE PINK (PRINCE BISMARCK). Pkt., 10c; 1/4 oz., 40c.
 230 CHOICE MIXED. Double flowers of many colors. Pkt., 10c; 1/4 oz., 20c; oz., 75c.

Balloon Vine

- 235 A tender annual climber of rapid growth, bearing small white flowers, followed by curious inflated seed-vessels, somewhat resembling a balloon. 10 to 15 feet. Pkt., 10c.

Bartonia Aurea

- 236 Showy, hardy annual of distinct character, its golden yellow flowers being freely produced. It grows well in partial shade, but should not be crowded. Pkt., 10c.

Beans, Ornamental Varieties

The Scarlet and White Runner Beans are popular as ornamental climbers. The former is largely grown alone for ornamental effects. The beans of the White Runner are used in some localities as green shell beans. Scarlet are also edible, but seldom used. All should be treated as directed for Pole Beans.

- 240 SCARLET RUNNER. Pkt., 10c.
 241 WHITE RUNNER. Pkt., 10c.
 BLUE LACE FLOWER. See Didiscus.

Brachycome (Swan River Daisy)

A free-flowering plant of dwarf, compact growth, bearing in great profusion beautiful single blue or white flowers. Effective as edgings or in beds, and suitable for rustic baskets or pot culture. Half-hardy annual. 1 foot.

- 250 Mixed Colors. Pkt., 10c.

Browallia

A beautiful, free-blooming half-hardy annual. Seed may be sown in the open ground when warm, but preferably should be sown in the house or hotbed and, if possible, repotted once or twice. For beds, borders or pots, few equal it. 1 1/2 feet.

- 251 Blue and White Mixed. Pkt., 10c.

Calendula (Pot Marigold)

A very free-blooming hardy annual of easy culture. Grows well in nearly all soils. Flowers double, borne on stiff stems, and are cut to some extent, but the plant is more desirable for bedding. 1 to 1 1/2 feet.

- 252 CAMPFIRE OR SENSATION. Improved strain. This is much taller growing and the flowers are much larger than Campfire or Sensation sent out in previous seasons. We consider this variety the very best forcing orange Calendula on the market. Pkt., 10c; 1/4 oz., \$1.00; 1/2 oz., \$1.75.

- 253 CHRYSANTHA OR SUNSHINE. Chrysantha is a new Calendula which is outstanding among all varieties known up to the present time. The large flowers are an exquisite shade of clear buttercup yellow, with long loosely arranged petals, which droop to give the rounded appearance found in our favorite Chrysanthemums. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

- 254 RADIO. Improved strain. A special selection of large flowering, well-formed Radio type flowers, borne on long, stout stems—a strain which is more suitable for forcing than the original Radio. Pkt., 10c; 1/4 oz., 50c; 1/2 oz., 90c.

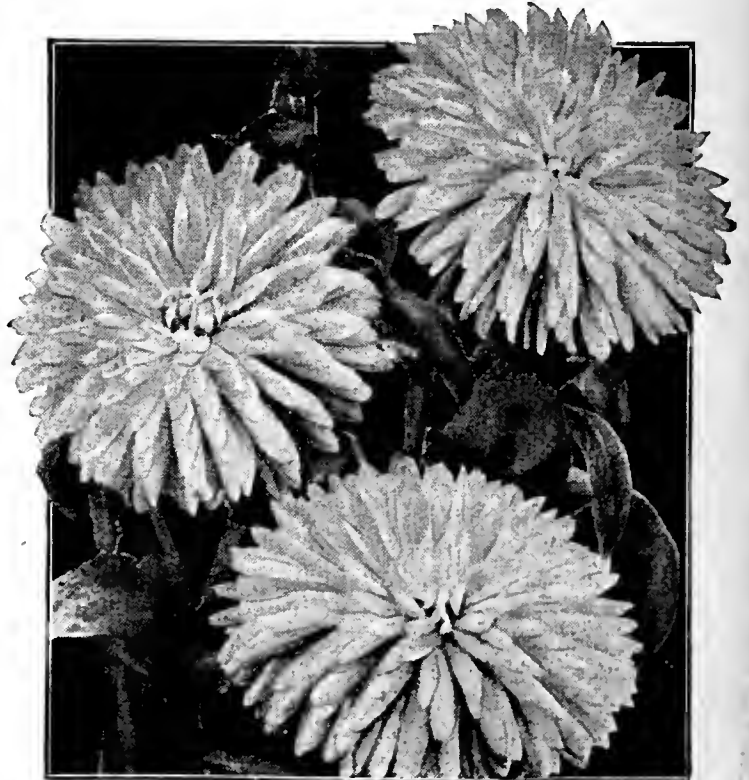
- 255 THE BALL. A large ball-shaped double flower. Color, bright orange, much used by florists. Pkt., 10c; 1/8 oz., 60c; 1/4 oz., \$1.00; oz., \$2.50.

- 256 ORANGE GIANT. Extra large, orange. Pkt., 10c; 1/2 oz., 30c; oz., 50c.

- 257 ORANGE KING. Large, dark orange. Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c.

- 258 LEMON KING. Clear lemon yellow. Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c.

- 259 MIXED VARIETIES. Pkt., 10c; 1/2 oz., 15c; oz., 25c.



Calendula Radio.

Calliopsis

Well-known, profuse flowering hardy annuals of the easiest culture. Numbers 260 and 263 represent the type more commonly known. Numbers 261 and 262 resemble in habit, foliage and flower the perennial type; generally known as Coreopsis.

- 260 MIXED COLORS. 1 1/2 to 2 feet. Pkt., 10c; 1/2 oz., 30c; oz., 50c.

- 261 CORONATA MAXIMA. Yellow; extra large. 1 1/2 feet. Pkt., 10c; 1/4 oz., 20c.

- 262 GOLDEN WAVE (Drummondii). Golden yellow with small dark center. 1 1/2 feet. Pkt., 10c; 1/4 oz., 20c.

- 263 RAY OF GOLD. Yellow, with purplish brown center. 6 to 8 inches. Pkt., 10c; 1/4 oz., 20c.

Ross' Choice Annual Flower Seeds

Canary Creeper

(*Tropaeolum Canariense*)

- 275 A rapid-growing, half-hardy annual climber, bearing curiously formed yellow flowers. Blooms until frost. Fine for shady places. 10 to 15 feet. Pkt., 10c; 1/4 oz., 20c.

Candytuft

Popular hardy annual, growing in any soil, requiring but little care, and by repeated sowings may be had in bloom all summer. 6 inches to 1 foot.

- 276 CARMINE. Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c.
 277 DARK CRIMSON (Dunnett's). Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c.
 278 EMPRESS. Large trusses; pure white. Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 35c.
 279 GIANT HYACINTH-FLOWERED. Heads of immense size, resembling the Hyacinth. White. Generally considered superior to Empress. Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 35c; oz., \$1.00.
 280 MIXED COLORS. Pkt., 10c; 1/4 oz., 20c; oz., 50c.
 282 DWARF HYBRIDS. Mixed colors. Of dwarf habit, but flowers are large. Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c.
 283 WHITE FRAGRANT. Pkt., 10c; 1/4 oz., 20c; oz., 60c.

Centaurea

To this family belong the well known annuals, Bachelor's Button and Sweet Sultan, and also the plants known as Dusty Millers.

CYANUS (Bachelor's Button or Cornflower)

Popular hardy annual of the easiest culture, blooming quickly after seed is sown and for a considerable time if flowers are kept well cut. 2 feet.

- 317 DOUBLE BLUE. A selection of the old-fashioned Bachelor Button, producing a large percentage of beautiful double blue flowers. Pkt., 10c; 1/8 oz., 35c.
 318 DOUBLE LAVENDER.
 318A DOUBLE ROSE.
 319 DOUBLE WHITE.

Each, pkt., 10c; 1/8 oz., 35c.

- 320 SINGLE AND DOUBLE MIXED. Pkt., 10c; 1/4 oz., 20c; oz., 60c.

CENTAUREA (Sweet Sultan)

- 321 MOSCHATA (Common Sweet Sultan). Mixed colors. Pkt., 10c.

- 322 SUAVEOLENS (Yellow Sweet Sultan). Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 60c.

IMPERIALIS (Royal Sweet Sultan)

Improved type of Sweet Sultan. Both plants and flowers are larger than the common. Very fragrant and colors delicate and beautiful.

- 323 DEEP LAVENDER. Pkt., 10c; 1/8 oz., 30c.
 324 WHITE. Pkt., 10c; 1/8 oz., 30c.
 325 MIXED COLORS. Pkt., 10c; 1/8 oz., 25c.

WHITE-LEAVED CENTAUREAS (Dusty Miller)

Half-hardy perennials which are grown annually from their seed for their foliage only. Used with other foliage and flowering bedding plants.

- 326 CANDIDISSIMA. Deeply cut, silvery white foliage, densely covered with white hairs. 1 foot. Pkt., 10c.

- 327 GYMNOCARPA. Silvery white foliage; of graceful drooping habit. 1 1/2 feet. Pkt., 10c; 1/4 oz., 30c.

Canna

The Crozy Cannas are well known for their dwarf growth and luxuriant foliage. The flowers are large and of most brilliant colors. Soak the seeds in warm water until they show signs of swelling, then sow in sandy loam and place in hotbed.

- 284 CROZY'S DWARF. Dark, large flowering varieties. Mixed. 3 to 4 feet. Pkt., 10c; 1/4 oz., 20c.

- 285 GIANT FLOWERED NEW HYBRIDS. Mixed. Pkt., 10c; 1/4 oz., 20c.

CARDINAL CLIMBER. See Ipomoea, number 549.

CARDINAL FLOWER. See Lobelia, number 588, page 53.

Carnation (*Dianthus Caryophyllus*)

Few flowers surpass in beauty of form or delicious fragrance the richly hued Carnation. Contrary to many beliefs they are easily grown from seed. They are hardy and much prized in the garden border. The branching compact plants produce handsome blooms on stiff, slender, blue-green stems. Their double flowers with thick waxy petals tightly held in their green calyx sheaths are delightfully scented.

- 286 MARGUERITE IMPROVED SEMI-DWARF. An improved strain. Flowers are larger, a greater proportion double. Pkt., 10c; 1/8 oz., 30c.

- 287 MARGUERITE GIANTS. Flower approaches in form, size, fragrance and beauty those grown by the florist. Pkt., 10c; 1/8 oz., 40c.

Cockscomb (*Celosia cristata*)

Popular free-blooming, half-hardy annual. While seeds may be, and more generally are, sown in the open ground, for best results it should be sown early in the house and the young plants transplanted into small pots, in which they should remain until they show signs of blooming, when they should be shifted to a permanent location. The Cockscomb requires good, rich soil, ample room and plenty of moisture to fully develop its flowers.

- 305 GLASGOW PRIZE. Crimson; dark foliage. 9 inches. Pkt., 10c; 1/8 oz., 30c.

- 307 MIXED. Pkt., 10c; 1/8 oz., 20c.

- 310 DWARF, EXTRA-CHOICE MIXED. Includes all the latest introductions and colors of the Cockscomb. Pkt., 10c; 1/8 oz., 30c.

Feathered Celosia (*Celosia plumosa*)

Often used for winter bouquets, and for this purpose should be cut before fully ripe and dried in the house.

- 311 THOMPSON SUPERB. Graceful, feathery plumes of rich crimson. Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 35c.

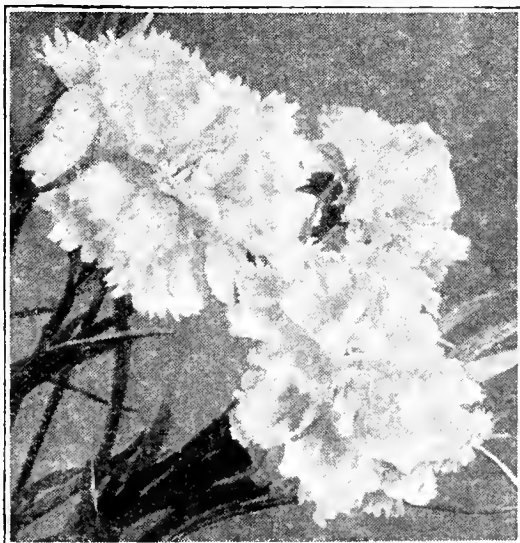
- 312 GOLDEN PLUME. Golden yellow. Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 35c.

- 313 THOMPSONI MAGNIFICA. A splendid strain, large plumes, ranging from clear yellow to darkest red. Pkt., 10c; 1/8 oz., 30c.

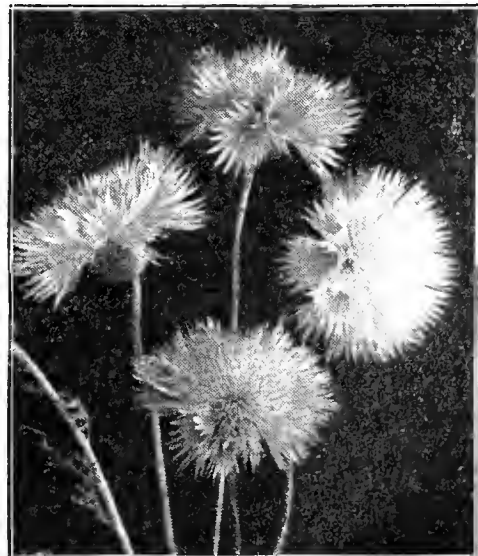
- 316 CHOICE MIXED. Pkt., 10c; 1/4 oz., 20c; oz., 50c.



Cockscomb.



Carnation, Chabaud's Giant Perpetual.



Centaurea Imperialis—Royal Sweet Sultan.

Ross' Choice Annual Flower Seeds

Castor Bean (Ricinus)

Well-known tender annual; tall, stately, majestic plants of very rapid growth, with palm-like leaves of glossy green, brown or bronze hue; very effective for lawns, planted singly or in groups. 6 to 15 feet.

295 **BORBONIENSIS**. Large, showy foliage of purplish hue. 15 feet. Pkt., 10c; 1/2 oz., 20c; oz., 35c; 1/4 lb., \$1.00.

296 **CAMBODGENSIS**. Stalks and stems nearly black; leaves large, of a deep bronze maroon. 6 feet. Pkt., 10c; 1/2 oz., 20c; oz., 35c.

297 **SANGUINEUS** (Tricolor). Stalks blood-red, foliage reddish bronze, with scarlet seedpods. 6 feet. Pkt., 10c; 1/2 oz., 20c; oz., 35c.

298 **ZANZIBARENSIS**. A comparatively new class, with gigantic leaves, ranging in color from light green to deep bronze. 10 to 15 feet. Mixed varieties. Pkt., 10c; 1/2 oz., 20c; oz., 35c.

299 **GIBSONI**. Large dark-red leaves. 5 feet. Pkt., 10c; 1/2 oz., 20c; oz., 35c.

300 **ALL VARIETIES MIXED**. Pkt., 10c; 1/2 oz., 15c; oz., 25c.



Chrysanthemum, Evening Star.

Chinese Woolflower

(Celosia Childsi)

This unique type of Celosia plumosa forms, instead of pyramidal panicles of bloom, large globular heads like balls of wool chenille, and of rich bright red color. The plants, 2 to 3 feet in height, branch freely, each branch terminating with a flower-head. It continues in flower from early summer until frost and is very effective for gardens, either massed or grown as individuals.

329C **MIXED COLORS**. Each, pkt., 10c.

Chrysanthemum

Free-flowering plants of branching habit, grow freely from seed, and are of easy culture, very desirable for cutting. They should be given plenty of room—from 2 to 2 1/2 feet. Hardy annual. 1 to 1 1/2 feet.

330 **SINGLE** (Painted Daisies). Mixed colors. Pkt., 10c; 1/4 oz., 20c; oz., 60c.

331 **EVENING STAR**. Covered with bright golden yellow single flowers. Pkt., 10c; 1/8 oz., 20c.

333 **DOUBLE WHITE**. Pkt., 10c; 1/8 oz., 20c.

Cineraria Hybrida Grandiflora

294 **ROSS' PRIZE MIXTURE**. The plants are of compact growth, carrying extra large flower heads with flowerets of unusual size and substance. This strain includes the brightest and richest self colors as well as a good mixture of all colors. Pkt., 25c.

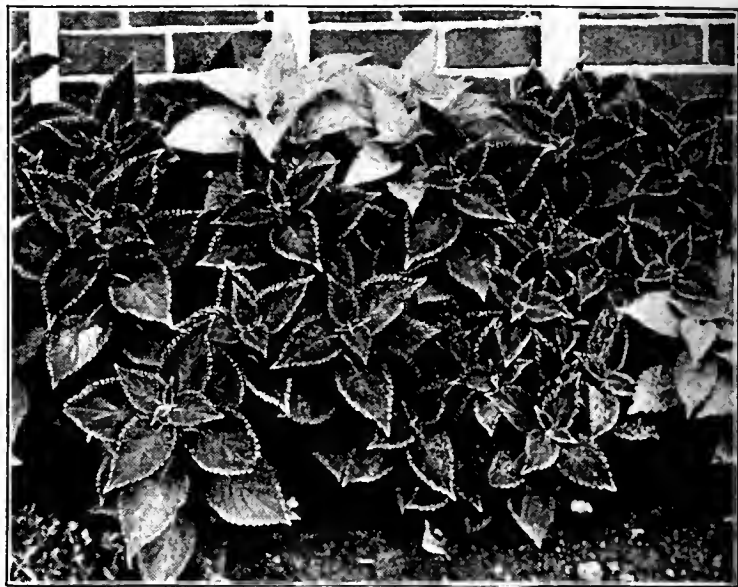
Clarkia

A pretty, hardy annual from California. Blooms profusely. Colors: Rose, salmon-pink, purple and white, in mixture. 1 foot.

338 **SINGLE AND DOUBLE MIXED**. Pkt., 10c; 1/4 oz., 30c.

Cleome "Giant Spider Plant"

343 **GIGANTEA ROSEA**. A showy garden annual producing curious heads of flowers of bright rose color with long antenna-like stamens; of easy cultivation, blooming early until late. 4 to 5 feet. Pkt., 10c.



Coleus—Ross' Choice Hybrids.

Cobaea Scandens or Cathedral Bells

345 Elegant, rapid growing climbers, attaining a height of 20 to 30 feet. Particularly desirable for covering arbors, walls, etc. Can be grown in the conservatory in winter. Flowers large and bell-shaped. 20 to 30 feet. Pkt., 10c; 1/4 oz., 30c.

Coix Lachryma (Job's Tears)

347 An ornamental grass growing from 7 to 9 feet high. Large, broad leaves bearing large shiny seed. Pkt., 10c; 1/2 oz., 25c; oz., 35c.

Coleus

Plants with richly colored foliage of maroon, green, crimson, yellow, etc. For groups on lawns and ribboning, they are indispensable, and also valuable for pot culture. Although tender perennials, they attain perfection from seed the first season. 1 to 3 feet.

350 **CHOICE HYBRIDS MIXED**. From a large collection; of greatly diverse shades and markings. Pkt., 10c; 1/8 oz., \$1.00.

351 **NEW LARGE-LEAVED VARIETIES MIXED**. Saved from new varieties with very large and richly variegated foliage. Pkt., 25c.

Collinsia

A free-flowering hardy annual from California. Seed preferably should be sown in the fall, as the plants will bloom much earlier than from seed sown in the spring. It may, however, be sown in the spring, if desired. 1 foot.

353 **MIXED COLORS**. Pkt., 10c.

Convolvulus Minor

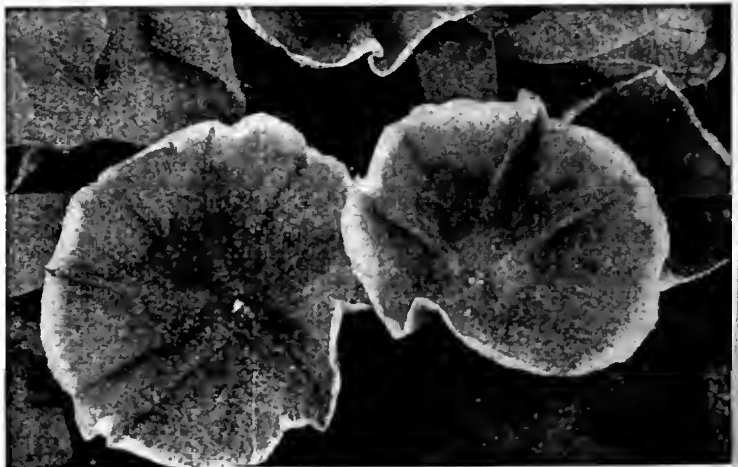
(Dwarf Morning Glory)

Half-hardy annual of trailing habit, growing about 1 foot high and covering a space of 2 feet, and bearing abundantly bell-shaped flowers.

356 **MIXED COLORS**. Pkt., 10c; 1/2 oz., 20c; oz., 35c.

Burbank's Rainbow Corn

357 A highly decorative type of Corn. It is an annual, grows about 5 feet high and suckers out, forming good sized clumps. The foliage is striped with rose, purple, green and cream color, exceedingly effective in the mixed flower border. Pkt., 10c; 1/2 oz., 30c.



Convolvulus.

Enchanting Giant Cosmos

Cosmos are among the finest annuals for table decoration, reminding one of a small Japanese Peony of rare grace and beauty. They are invaluable in the mixed border and for their long period of flowering.

359 KLONDIKE. Large orange-colored flowers. Pkt., 10c; $\frac{1}{8}$ oz., 20c.

360 MAMMOTH PERFECTION. Mixed colors. Of mammoth size, rather late in flowering. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

362 LARGE EARLY FLOWERING. The flowers are fully twice as large as the Early Flowering, while the plant blooms as early. Crimson, Rose and White Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 30c; $\frac{1}{2}$ oz., 55c; oz., \$1.00.

362A Crimson. **362B Pink.** **362C White.**
Each, pkt., 10c.

LADY LENOX. Long-stemmed flowers, often measuring 5 inches across.

364 Pink. **364A White.**
Each, pkt., 10c; $\frac{1}{4}$ oz., 30c; oz., \$1.00.

Double Crested Cosmos

The new annual crested type Cosmos is a distinct type, having double center, with a row of guard petals around the base.

365 Crimson King. Dark crimson.

365A Pink Beauty. Soft pink.

365B White Queen. Pure white.

365C White, Pink and Crimson Mixed.

Pkt., 10c; $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 60c; $\frac{1}{2}$ oz., \$1.00; oz., \$1.75.

Ross' Giant Cyclamen

Charming house plants, with beautiful foliage and rich colored, fragrant flowers. Universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

369 GIANT MIXED. Pkt., 50c.



Dianthus—Sweet Wivelsfield.

Dianthus

419 SWEET WIVELSFIELD. A new race of hardy annuals. The growth is like Sweet William but the flowers are large and have a much wider range of colors. Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Cynoglossum

369A AMABILE. An easily grown, early flowering annual producing large sprays of rich blue, forget-me-not-like flowers; excellent for cutting. 18 inches. Pkt., 10c.

Cypress Vine

A popular climbing vine, with delicate fernlike foliage, bearing in abundance small, star-shaped, rose, scarlet, or white flowers. Of easy culture. Half-hardy annual. 10 to 12 feet.

370-MIXED COLORS. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 60c.

Annual African Daisy

376 AFRICAN GOLDEN (*Dimorphotheca aurantiaca*). This very showy annual plant is a valuable addition to the list of hardy annuals. When first exhibited, it gained an Award of Merit at the great Temple Show, London, has been very favorably mentioned in the leading horticultural papers of this country and Europe, and all who have seen the plant in bloom praise it. A bed of these plants is remarkably effective, and the flowers are excellent for cutting, while the plant is easily grown from seed sown in the open ground. Pkt., 10c; $\frac{1}{16}$ oz., 25c.

379 SELECTED HYBRIDS MIXED. Pkt., 10c.



Enchanting Giant Cosmos.

Datura (Trumpet Flower)

Strong growing, ornamental annual shrubs. Flowers trumpet-shaped, large and fragrant.

383 FINEST MIXED. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

Delphinium (Larkspur)

Showy, hardy annuals thriving in nearly all soils if well enriched and open to the sun. Seed of the annual sorts, though more generally sown in the spring, should preferably be sown in autumn, as plants commence blooming much earlier.

385 DOUBLE DWARF ROCKET. 1 foot. Mixed colors. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 70c.

DOUBLE BRANCHING:

387 Carmine. **388 Dark Blue.** **389 Light Blue.** **390 White.**
Pkt., 10c; $\frac{1}{8}$ oz., 25c; $\frac{1}{4}$ oz., 40c; $\frac{1}{2}$ oz., 70c.

391 DOUBLE IMPERIAL BRANCHING. Mixed colors. A superior strain. 2 feet. Pkt., 10c; $\frac{1}{8}$ oz., 25c; $\frac{1}{4}$ oz., 40c.

392 CARMINE KING. (New). Deep carmine-rose. Pkt., 10c; $\frac{1}{8}$ oz., 30c; $\frac{1}{4}$ oz., 55c; $\frac{1}{2}$ oz., \$1.00.

392A MISS CALIFORNIA. (New). Rich, deep pink on salmon ground. Pkt., 10c; $\frac{1}{8}$ oz., 30c; $\frac{1}{4}$ oz., 55c; $\frac{1}{2}$ oz., \$1.00.

Didiscus

420 COERULEUS (Blue Lace Flower). An attractive annual, blooming from July until frost. The flowers are pale lavender and are valuable for cutting. Pkt., 10c; $\frac{1}{8}$ oz., 25c.

Dolichos (Hyacinth Bean)

A rapid growing hardy annual climber, bearing all summer, clusters of white or purplish blue flowers, followed by ornamental seed pods. Sow in May where plants are to remain. 10 feet.

433 MIXED COLORS. White and purple. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

Rock Garden Perennials

Half the charm of a Rock Garden lies in the number of different plants it contains, so we have selected fourteen different hardy perennials that are adapted for this purpose. The fourteen varieties listed give a wide range of color, a long blooming season, and all will grow satisfactorily in this district. Complete descriptions will be found in the general list of Perennials, pages 42 to 58.

140	ADLUMIA cirrhosa. Flesh-pink	\$0.10
145	ADONIS vernalis. Yellow .....	.10
170	Alyssum saxatile compactum. Yellow .....	.10
189	ANEMONE cor. St. Brigid. Mixed colors .....	.10
200	AQUILEGIA. Mixed colors .....	.10
209	ARABIS alpina. White .....	.10
248	BELLIS monstrosa. Mixed colors .....	.10
487	GEUM, Mrs. Bradshaw. Orange .....	.10
461	MYOSOTIS, Victoria. Blue .....	.10
890	POPPY, Iceland. Mixed colors .....	.10
904	PRIMROSE, Hardy Vulgaris. Yellow .....	.10
949A	SEDUM acre. Yellow .....	.20
1340	WALLFLOWER, Single. Mixed colors .....	.10
1335	VIOLA cornuta. Mixed colors .....	.10

Ross' Choice Annual Flower Seeds



Eschscholtzia.

Dracaena (Dragon Plant)

434 INDIVISA. Beautiful ornamental leaved plants; long, narrow, green foliage; indispensable for vases and house decoration. Pkt., 10c; 1/8 oz., 25c.

Eschscholtzia (California Poppy)

A very showy hardy annual, with beautiful, finely cut, glaucous foliage, bearing poppy-like flowers of bright colors. Of easy culture. Sow as early as soil can be worked, where plants are to remain, as they do not bear transplanting well. 1 foot.

439 CALIFORNICA. Yellow. Pkt., 10c; 1/2 oz., 30c; oz., 50c.

442 MIXED COLORS. Pkt., 10c; 1/2 oz., 20c; oz., 35c.

443 ERECTA COMPACTA, ROSE QUEEN. Rose-carmine. Pkt., 10c.

Euphorbia

Ornamental foliage plant; easily grown from seed. Striking and effective appearance. Hardy annual.

452 VARIEGATA (Snow-on-the-Mountain). Foliage veined and margined with white. 2 feet. Pkt., 10c; 1/8 oz., 25c.

453 HETEROPHYLLA (Fire-on-the-Mountain). A variety of Poinsettia which grows to a height of 2 1/2 to 3 feet. About the middle of summer the top central leaves turn to rich orange-scarlet. Pkt., 10c; 1/8 oz., 30c.

Four O'clock (Marvel of Peru)

A well known favorite plant, bearing freely funnel-shaped, white, red and striped flowers, which open about four o'clock in the afternoon. Will grow anywhere. Plants should be given plenty of room, about 2 feet apart. 2 feet.

465 MIXED COLORS. Pkt., 10c; 1/2 oz., 20c; oz., 35c.

FOXGLOVE. See Digitalis, page 52.

Gaillardia (Blanket Flower)

ANNUAL VARIETIES

Very showy, free-blooming, hardy plants of easy culture. Seed germinates very slowly and should be sown in the house in March. The flowers are very brilliant, borne on long stems. Fine for cutting. 2 feet.

470 PICTA. Single; mixed colors. Pkt., 10c; 1/4 oz., 20c.

471 PICTA. Double; mixed colors. Pkt., 10c; 1/4 oz., 20c.

Geranium

Well known, half-hardy, greenhouse perennials, easily raised from seeds. When sown in the fall or early winter will produce flowers in June, while sown in March, plants will not bloom until September, and sown in the open ground in May or June, plants will bloom in mid-winter.

485 ZONALE (Fish or Horseshoe Geranium). Saved from the largest and finest varieties. Pkt., 10c.



Gaillardia Picta.

Globe Amaranth (Gomphrena)

488 MIXED COLORS. A tender annual plant, bearing globe-shaped everlasting flowers, often used, when dried, in winter bouquets. Blooms freely and is an excellent bedding plant. 1 1/2 feet. Pkt., 10c.

Gloxinia

One of the most beautiful greenhouse perennials. Give them a porous and well-enriched soil; a warm, moist atmosphere, and as soon as they begin to flower remove them to a cooler house, and afterwards dry them off gradually and keep them free from moisture until they again begin to grow. The seeds are small and should be sown on an even surface and slightly covered.

489 SPLENDID MIXTURE. A mixture of all classes unrivaled in richness of color. Pkt., 25c.

Godetia or Satin Flower

(Annual)

Showy garden annuals, they are of compact growth, about 1 foot high, bearing freely flowers 3 to 4 inches across, of exquisite colors and shades that glisten in the sunlight like satin. Splendid either bedded or grown in pots.

490 MIXED COLORS. Tall. Includes all varieties and the latest introductions. Pkt., 10c; 1/4 oz., 20c.

Gourds

Ornamental, tender annual climbers. 10 to 20 feet.

491 APPLE-SHAPED. Small, striped. Pkt., 10c.

492 DIPPER. The fruit is of slender, neck-like form. Pkt., 10c.

493 DISH-CLOTH. Fruit large and elongated. Pkt., 10c.

494 EGG-SHAPED. Pkt., 10c.

496 MINIATURE BOTTLE SHAPED. Pkt., 10c.

497 ORANGE-SHAPED. Pkt., 10c.

498 PEAR-SHAPED. Green, white-striped. Pkt., 10c.

500 MIXED VARIETIES. Small sorts. Pkt., 10c; 1/2 oz., 20c.

Gypsophila (Baby's Breath)

Flowers very small, borne in loose, graceful panicles. Very largely used in bouquets with other cut-flowers.

501 ELEGANS DEEP PINK. H. A. Pkt., 10c; 1/4 oz., 25c.

505 ELEGANS GRANDIFLORA ALBA. White. An improved form of the annual Gypsophila. Grown by the acre for the London and Paris flower markets. Pkt., 10c; 1/4 oz., 20c; oz., 60c; 1/4 lb., \$1.50; 1/2 lb., \$2.50.

Grevillea

507 ROBUSTA (Silk Oak). The graceful evergreen, fernlike foliage combines admirably with palms and other massive-leaved plants. Excellent for table decorations. Pkt., 10c; 1/8 oz., 30c.

Helichrysum

(Strawflower; Everlasting)

One of the best everlasting flowers and an effective bedding plant, succeeding in any well enriched soil. If flowers are desired for winter use, they should be cut just as the buds are opening. Hardy annual. 2 feet.

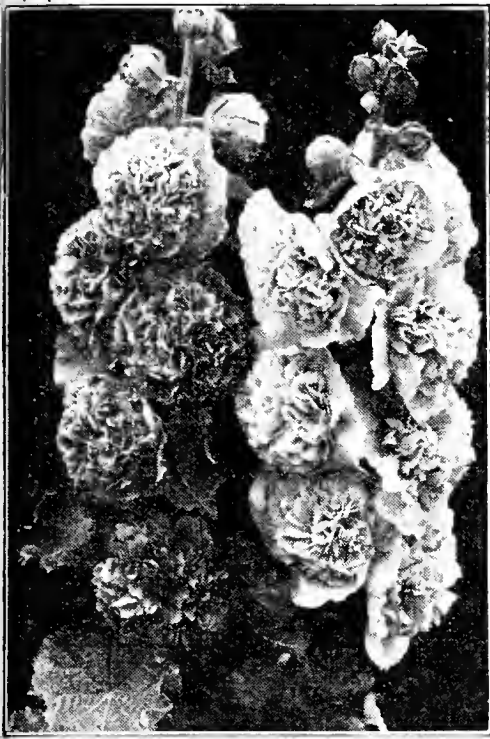
515 DOUBLE MIXED COLORS (H. monstrosum fl. pl.). Largest double flowers. Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c.

Heliotrope

A well known favorite largely grown in pots, but thriving in the open border.

518 MIXED COLORS. Dark varieties mixed. Pkt., 10c.

519 LARGE-FLOWERING. Mixed colors. Heads of flowers nearly double the size of the old sorts. Pkt., 10c; 1/8 oz., 30c.



Hollyhocks, Everblooming Hybrids.

Hollyhock

534 **EVERBLOOMING HYBRIDS** (Annual Hollyhocks). Double, Semi-Double and Single. Mixed. A new strain, blooming the first season from seed. Pkt., 10c; 1/4 oz., 25c.

Humulus (Hop)

Rapid-growing climbers with attractive foliage. The Japanese variety is a hardy annual, the best for quickly covering unsightly objects.

537 **VARIEGATA**. Variegated foliage, green and white. Pkt., 10c.

Hunnemannia

540 **FUMARIAEFOLIA** (Giant Tall Poppy or Bush Fuschscholtzia). A valuable plant of the Poppy family. A perennial, always treated as an annual. Pkt., 10c; 1/8 oz., 25c.

541 **SUNLITE**. Sunlite is a double-flowered Poppy which is different. Its extra band of petals is produced on the outside, rather than the inside of the tulip-shaped flowers, giving the impression of being open, even after the cuplike blossoms have closed for the night. The flowers are a bright canary-yellow, and the foliage of the two-foot bush is a light gray-green. They like a sunny position in a well drained border and flower freely in late summer. Pkt., 10c; 1/8 oz., 40c; 1/2 oz., 75c.

Ice Plant

(Mesembryanthemum)

546 **CRYSTALLINUM**. A trailing plant, with succulent stems and leaves. Excellent for hanging baskets and rockwork. Tender annual. 9 inches. Pkt., 10c.



New Guinea Gold Marigold.

Ipomoea

The Ipomoea family includes the well-known Morning Glory, the Moonflower and the Cypress Vine. Rapid-growing climbers of easiest culture; bloom earlier and more profusely on rather poor soil, but of higher growth and more attractive foliage when grown on rich soil. Tender annuals. 15 to 30 feet.

549 **CARDINAL CLIMBER** (Ipomoea quamoclit hybrida). Leaves are dark green, fernlike and deeply lacinated; bears a great profusion of fiery, cardinal red flowers. Pkt., 10c.

550 **BONA NOX** (Evening Glory). Beautiful, large, violet-blue flowers which open at night. Rapid growth. Pkt., 10c.

552 **SETOSA** (Brazilian Morning Glory). Flowers are a pleasing rose, about 2 1/8 inches across. Pkt., 10c.

553 **RUBRA COERULEA** (Heavenly Blue). Large, heart-shaped leaves; 4 to 5 inches across. Pkt., 10c; 1/8 oz., 25c.

Jerusalem Cherry (Solanum)

An ornamental and interesting genus of fruit-bearing plants; singularly bright in fruit and foliage. Popular for greenhouse or house decoration.

555 **SOLANUM CAPSICASTRUM**. Covered with scarlet fruit during the winter. 1 1/2 feet. Pkt., 10c; 1/4 oz., 35c; 1/2 oz., 60c.

Kochia

556 **TRICOPHYLLA** (Summer Cypress). A very quick-growing annual. Through the summer this is bright green, but commences in early fall to gradually take on a red tinge, becoming entirely red before it dies. 2 1/2 feet. Pkt., 10c; 1/4 oz., 20c.

Lantana

562 **HYBRIDA FINEST MIXED**. Shrubby, with many clusters of dainty flowers in yellow, orange, red, and pink. 18 inches. All summer. Fine for potting. Pkt., 10c.

Lavatera Trimestris

Beautiful and effective hardy annual, covered during the entire summer with pretty and showy blossoms.

576 **Rose-Pink**. 577 **White**. Pkt., 10c; 1/4 oz., 20c.

Linum (Crimson Flax)

580 **GRANDIFLORUM RUBRUM**. The rich crimson flowers last only a day, but are borne continuously until frost. 15 to 18 inches. Pkt., 10c; 1/4 oz., 25c.

Lunaria (Honesty)

589 **BIENNIS**. Hardy biennial, but grown as annuals, admired for their silvery, papery seed pods, which are used for house ornaments. 3 feet. Pkt., 10c; 1/8 oz., 25c.

Lobelia

Pretty little plants of easy culture, blooming profusely from June until frost. The dwarf varieties are useful for bedding and edging, the trailing variety is excellent for hanging baskets, vases and rockwork. Half-hardy annuals.

585 **CRYSTAL PALACE COMPACTA**. Rich blue flowers, dark foliage. Pkt., 10c; 1/4 oz., \$1.00.

586 **WHITE LADY**. White, dwarf; very profuse. Pkt., 10c.

587 **GRACILIS**. Light blue, trailing. Pkt., 10c.

Lupin

590 **ANNUAL VARIETIES, MIXED**. Easily grown plants, with long, graceful spikes of pea-shaped flowers of various colors. 2 feet. Pkt., 10c; oz., 35c.

Marigold

Favorite annual plant, blooming the entire summer; easily cultivated. The African varieties bear large yellow or orange flowers and the plants are usually tall. The French type is of dwarf habit and flowers are striped. Hardy annual, 1 to 3 feet.

600 **AFRICAN ELDORADO**. Flowers very large, extremely double, of various shades of yellow. Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 45c.

600A **NEW MARIGOLD, GUINEA GOLD**. Brilliant orange with double ruffled, loose-leaf petals. 2 to 2 1/2 feet high, and producing flowers 2 to 2 1/2 inches across. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 60c; 1/2 oz., \$1.00.

601 **LEMON BALL**. The largest of all Marigolds, nearly ball-shaped, pure lemon yellow. Pkt., 10c; 1/4 oz., 25c; oz., 75c.

602 **ORANGE PRINCE**. Large, rich orange. Pkt., 10c.

603 **AFRICAN DOUBLE MIXED**. All shades of the African type. Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 60c.

606 **FRENCH DWARF DOUBLE, GOLD STRIPED**. Deep brownish red, striped yellow. Pkt., 10c; 1/8 oz., 20c.

607 **FRENCH DOUBLE MIXED**. Shades of yellow and brown. 2 feet. Pkt., 10c; 1/4 oz., 20c.

608 **LEGION OF HONOR**. Single flower; golden yellow, with a large spot of crimson. Pkt., 10c; 1/4 oz., 25c.

609 **SCOTCH MARIGOLD**. A showy dwarf Marigold 6 to 8 in. tall, completely covered with single flowers of a bright yellow color. Attractive for edging. Pkt., 10c; 1/4 oz., 30c.

Matthiola Bicornis (Night Scented Stock)

610 A hardy annual with purplish red flowers, giving forth a delightful fragrance—especially toward evening. 1 foot. Pkt., 10c; 1/4 oz., 20c.



New Golden Gleam Nasturtium.

Moonflower (*Ipomoea*)

- 635 GRANDIFLORA ALBA (*Ipomoea noctiflora*). Rapid-growing variety reaching the height of 30 feet. Large white flowers open in the evening and on cloudy days. Pkt., 10c.
- 635B PINK HYBRID MOONFLOWER. Color, soft lilac-pink. Vines are of rapid growth with large leaves. Blooms very profusely. Pkt., 10c.

Mignonette (*Reseda Odorata*)

A well-known and popular hardy annual, prized for its delightful fragrance. Seeds sown in autumn will bloom in early spring, and when sown the last of July will come into flower in a few weeks and continue until cut down by frost.

- 614 GOLDEN MACHET. Long, massive spikes, with fragrant golden yellow flowers. Pkt., 10c; 1/8 oz., 20c.
- 615 GRANDIFLORA. Improved, large-flowered, Sweet Mignonette. Pkt., 10c; 1/2 oz., 20c; oz., 35c.
- 616 DEFIANCE. Large spikes and extra-large individual florets. Pkt., 10c; 1/8 oz., 25c; oz., 75c.
- 617 GIANT PYRAMIDAL (Crimson Giant). Of branching growth; large, of reddish cast. Pkt., 10c; 1/4 oz., 20c; oz., 60c.
- 618 GOLDEN QUEEN. Golden yellow. Pkt., 10c; 1/4 oz., 20c; oz., 60c.
- 619 MACHET. Large thick spikes of reddish cast, of dwarf habit, dark foliage. One of the best for pots. Pkt., 10c; 1/4 oz., 25c.
- 620 GIANT WHITE. Fine mixed. Pkt., 10c; 1/4 oz., 20c; oz., 60c.
- 621 VICTORIA. Of deep reddish cast. Pkt., 10c; 1/4 oz., 20c; oz., 60c.
- 622 GOLIATH. Pkt., 10c; 1/8 oz., 25c.
- 625 MIXED VARIETIES. The above and other varieties. Pkt., 10c; 1/4 oz., 20c; oz., 60c.

Morning Glory (*Convolvulus Major*)

A well-known vine of easiest culture. Hardy annual. 10 feet.

- 636 MIXED COLORS. Pkt., 10c; 1/2 oz., 20c; oz., 35c.
- 637 JAPANESE GIANT MORNING GLORY. Flowers much larger than the common type, the range of colorings much greater. 8 feet. Pkt., 10c; 1/2 oz., 20c; oz., 35c.
- MORNING GLORY, DWARF. See *Convolvulus minor*.
- MOURNING BRIDE. See *Scabiosa*.
- MUSK PLANT. See *Mimulus*.

Ross' Colorful Nasturtiums

No other annual plant combines in so great a degree ease of culture, profusion of bloom and grace and beauty of flowers, as the Nasturtium.

Tall Nasturtium

(*Tropaeolum majus*)

- 644 SCARLET. Rosy scarlet.
- 646 DUNNETT'S ORANGE. Bright orange, blotched red.
- 648 EDWARD OTTO. Brownish lilac.
- 654 HEMISPHERICUM. Straw colored blotched rose.
- 656 KING THEODORE. Deep crimson-maroon; dark foliage.
- 658 JUPITER. Golden yellow, large flowers. Clear light yellow.
- 662 PEARL. Very pale yellow, nearest approach to white.
- 671 VESUVIUS. Salmon-rose, dark leaved.

Each of the preceding varieties, pkt., 10c; oz., 20c; 2 ozs., 35c; 1/4 lb., 60c.

- 672 CHOICE MIXED. Many varieties; a wide range of colors. Pkt., 10c; oz., 15c; 2 ozs., 25c; 1/4 lb., 40c; lb., \$1.40. See also Worcester Mixed Tall Nasturtiums.

- 673 GIANT-FLOWERED TALL NASTURTIIUMS MIXED. A choice selection of the largest flowered varieties and seedlings. Especially desirable for exhibition. Pkt., 10c; 1/2 oz., 15c; oz., 25c; 2 ozs., 40c; 1/4 lb., 65c.

Lobb's Tall Nasturtium

(*Tropaeolum Lobbianum*)

While both flowers and foliage are slightly smaller than those of the preceding common Nasturtium this class is preferred by many because of the greater profusion of bloom and its more brilliant coloring.

- 685 GOLDEN QUEEN. Clear, golden yellow.
- 687 KING OF THE BLACKS. Deep, rich maroon. Dark foliage.
- 689 LUCIFER. Deep scarlet. Dark foliage.
- 700 LOBBIANUM. Choicest mixed. A mixture of all varieties of this desirable class. Pkt., 10c; oz., 20c; 2 ozs., 30c; 1/4 lb., 50c.

Worcester Tall Mixed

- 705 WORCESTER MIXED TALL NASTURTIIUMS. Our own mixture of many varieties; comprises selections from all classes, including the New Variegated-Leaved or Queen, and choice mixture from different growers. Of the greatest possible diversity of colors and types, but well balanced, including larger proportions of the most desirable varieties. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.75.

Dwarf, or Tom Thumb Nasturtium

The dwarf Nasturtium is not surpassed by any other annual plant for bedding, being of the easiest culture, thriving in nearly all soils and blooms profusely.

Except where otherwise noted, all of the following varieties at uniform prices. Pkt., 10c; oz., 20c; 2 ozs., 35c; 1/4 lb., 60c.

- 712 BEAUTY. Orange with scarlet markings.
- 714 BRONZE-COLORED. A very distinct and peculiar shade.
- 718 CLOTH OF GOLD. Brilliant scarlet, foliage golden yellow.
- 722 CRYSTAL PALACE GEM. Rich, sulphur-yellow, spotted carmine.
- 724 EMPRESS OF INDIA. Dark scarlet, foliage distinct dark purplish green.
- 726 GOLDEN KING. Rich golden yellow.
- 730 KING THEODORE. Dark maroon; dark foliage.
- 732 KING OF TOM THUMBS. Rich scarlet, dark foliage.
- 736 PEARL. Light cream, nearly white.
- 742 RUBY KING. Ruby-red, dark leaved.
- 744 VESUVIUS. Rich salmon-pink.
- 746 CHOICE MIXED. While not equal to the Worcester Mixed, of wide range of colors and will give pleasing results. Pkt., 10c; oz., 15c; 2 ozs., 25c; 1/4 lb., 40c; lb., \$1.40.
- 749 VARIEGATED LEAVED OR QUEEN OF TOM THUMBS, MIXED. Shades, light primrose, deep scarlet, crimson and deep orange more or less veined or spotted with other colors. Pkt., 10c; 1/2 oz., 15c; oz., 25c.

Worcester Mixed Dwarf Nasturtium

- 747 Like the Worcester Tall Mixed, this is of our own preparation and cannot be surpassed in diversity of colors and types; includes all the named varieties and classes here described and other choice mixtures of noted growers. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.75.

Dwarf Nasturtium

New Double Sweet Scented

- 710 GOLDEN GLEAM. It is hardy and free growing. The color is a most pleasing yellow. The large golden yellow flowers averaging 2 1/2 to 3 inches across. They are borne on erect, stiff stems six inches long. The flowers stand well above the foliage. Pkt., 10c; 1/2 oz., 40c; oz., 75c.

Ross' Selected Annual Flower Seeds

Nemesia

A very valuable introduction—long blooming annual with large flowers, varying from creamy white to deep orange and carmine. Most useful for bedding. 1½ feet.

756 STRUMOSA SUTTONI. Pkt., 15c.

Nemophila (Love Grove)

An attractive hardy annual, bearing cup-shaped flowers about an inch in diameter usually in shades of blue and white, often spotted with brown.

757 MIXED. Pkt., 10c; ¼ oz., 20c.

Nicotiana

(Flowering Tobacco)

Handsome, effective, half-hardy annuals, blooming profusely the entire season and thriving in all soils.

758 AFFINIS. White, starlike flowers, deliciously fragrant, expands fully in the evening. 2 to 3 feet. Pkt., 10c.

759 SANDERAE. Rose-carmine; remarkably profuse in bloom. Unlike the Affinis, is in full bloom during the day. 3 to 3½ feet. Pkt., 10c.

760 SANDERAE HYBRIDS. New hybrids, comprising several distinct colors or shades. Pkt., 10c.

Nigella

(Love-in-a-Mist; Lady-in-Green; Devil-in-a-Bush)

The blue or white flowers are half hidden in the abundant finely cut foliage, hence its common names. 1 to 1½ feet.

761 BLUE AND WHITE. Mixed. Pkt., 10c; ¼ oz., 20c.

Ornamental Grasses

764 AGROSTIS NEBULOSA. An airy and graceful annual grass, grows 18 inches high and looks like a line of mist when in bloom. Beautiful to mix with cut flowers. Pkt., 10c.

765 COIX LACHRYMA (Job's Tears). 9 feet. Large, broad leaves, large shiny seed. Hardy annual. Pkt., 10c.

767 PENNISETUM LONGISTYLUM. Graceful drooping heads. Excellent for bouquets. 2 feet. Hardy annual. Pkt., 10c.

768 PENNISETUM RUPPELIANUM. Foliage long and slender, the silvery plumes tinged with violet. 3 feet. Hardy annual. Pkt., 10c.

Phlox Drummondii

Phlox is one of the easiest grown and most satisfactory of all summer flowering annuals, even in poor, sandy, or stony soil. Very free and continuous blooming throughout the summer. Sow seed early in the spring in a sunny location.

830 MIXED COLORS. Pkt., 10c; ¼ oz., 15c; oz., 50c.

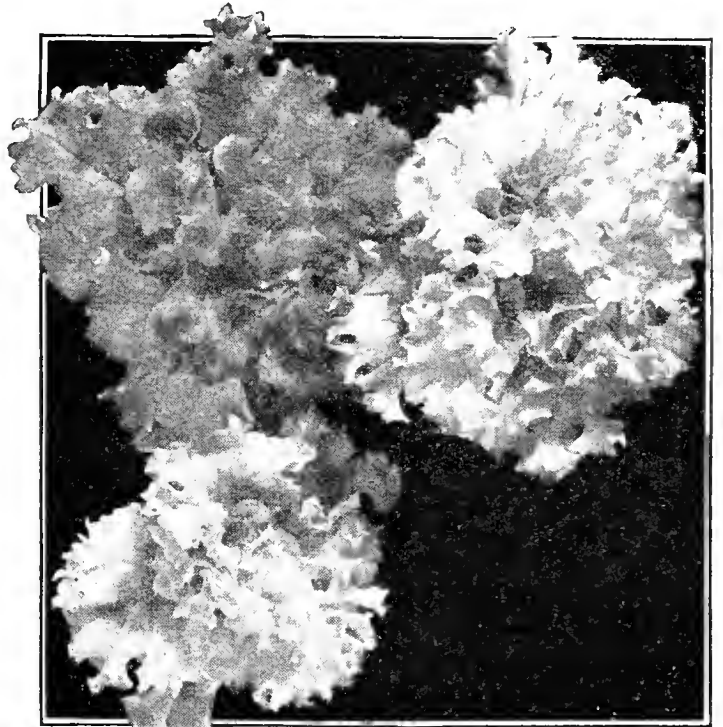
831 LARGE-FLOWERING. Extra choice. Mixed colors. Our own mixture of the choicest and best strains from different growers. Pkt., 10c; ¼ oz., 30c; oz., \$1.00.

833 ISABELLINA. Pure yellow. Pkt., 10c; ⅛ oz., 30c.

841 DWARF (P. Drummondii nana compacta). 6 to 8 inches high. Mixed colors. Pkt., 10c; ⅛ oz., 30c.

843 STAR OR FRINGED (P. Drummondii Cuspidata). Mixed colors. Pkt., 10c; ⅛ oz., 25c.

Do you receive our fall catalog of Dutch bulbs? We list a full line of Tulips, Hyacinths and miscellaneous bulbs, also American grown Narcissi. If you do not receive this book, send us your name and address and we will gladly put you on our mailing list for our next fall catalog.



Double Large-Flowered Petunias.

Petunias, A Garden Favorite

Long a popular flower among all garden lovers, Petunias have won new favor in recent years. They are now one of the most universally used for window boxes, porch boxes, beds, and borders, etc. No other bedding plant can make a more pleasing display. The plants make a strong, vigorous growth, blooming profusely from early summer until frost. Petunias prefer full sunlight but are also adapted for shady places. They will grow and bloom well in almost any kind of soil, even the poorest, and withstand drought to a remarkable degree. In places difficult to mow or cultivate such as steep banks, about rocks and other out-of-the-way places they will be found to be of great value and beauty.

814 FINEST MIXED. A superior mixture. Pkt., 10c; ⅛ oz., 20c; ¼ oz., 40c; oz., \$1.50.

815 STRIPED AND BLOTCHED MIXED. A choice strain. Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c.

816 HOWARD'S STAR. Rich shade of maroon, with five-pointed star of white. Very pretty. Pkt., 10c; ⅛ oz., 40c.

817 DWARF INIMITABLE MIXED COLORS. Dwarf, bushy plants, flowers mostly beautiful striped and blotched. Pkt., 10c; ⅛ oz., 40c.

818 ROSY MORN. A single flower, color soft carmine-pink. A profuse bloomer. Pkt., 10c; ⅛ oz., 50c; ¼ oz., 80c; ½ oz., \$1.40.

820 ELK'S PRIDE. Largest and darkest velvety purple. Pkt., 25c.

823 DWARF GIANTS OF CALIFORNIA (Romona Strain). Dark and light colors. Pkt., 25c.

824 GIANTS OF CALIFORNIA. A superb strain. Flowers are of remarkable substance, enormous size and many are beautifully fringed. Pkt., 25c; ¼ oz., \$2.50.

825 DOUBLE, LARGE-FLOWERING, CHOICE MIXED. An excellent mixture comprising a large variety of colors, with a good percentage of double flowers. Pkt., 50c.

826 BALCONY BLUE. Dwarf type for porch or window boxes. Pkt., 20c; 1/16 oz., 40c.

827 BALCONY ROSE. Pkt., 20c; 1/16 oz., 40c.

828 BALCONY WHITE. Pkt., 20c; 1/16 oz., 40c.

Portulaca

Well-known tender annuals, blooming profusely all summer. Thrive in most soils and locations, but succeed best in a light, sandy soil and sunny spot, enduring any amount of dry weather. Form a dazzling display when sown in masses.

894 DOUBLE CHOICE MIXED. Usually from fifty to sixty per cent of the flowers will come double. Pkt., 10c; ⅛ oz., 40c; ¼ oz., 65c; ½ oz., \$1.15; oz., \$1.90.

895 SINGLE SCARLET.

896 ROSE.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c.

899 SINGLE MIXED. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.



Phlox Drummondii.

Ross' Selected Annual Flower Seeds

Poppy

Well-known hardy plants of quick growth, blooming profusely for a considerable time.

SINGLE ANNUAL POPPIES

- 860 **ADMIRAL**. Large, single, peony-flowered, glistening white, with broad band of brilliant scarlet at the top. Pkt., 10c.
 862 **DANNEBROG OR DANISH CROSS**. Brilliant scarlet with white spots at base of each petal. Pkt., 10c.
 870 **SHIRLEY**. A lovely strain, delicate and rich shades, ranging from pure white through pink, rose, scarlet, and red to the deepest crimson. Pkt., 10c; 1/4 oz., 20c.
 871 **TRUE FLANDERS**. The scarlet Poppy of the fields of Flanders. They do not attain as large a size as a well grown Shirley Poppy. They flower the first season from spring-sown seed. Pkt., 10c; 1/4 oz., 25c.

DOUBLE ANNUAL POPPIES

- 878 **CARNATION-FLOWERED**. Mixed. Fine, large, fringed flowers of many colors, a popular class. Pkt., 10c; oz., 30c.
 880 **CARDINAL**. Very large, pure cardinal-red; deeply cut, dark green foliage; very attractive. Pkt., 10c.
 884 **PEONY-FLOWERED**. Mixed. Large, globular flowers, resembling a Peony. Pkt., 10c; oz., 30c.
 885 **SHIRLEY**. Double mixed. Pkt., 10c; 1/4 oz., 30c.
 886 **SNOWDRIFT OR DOUBLE WHITE FRINGED**. Flowers from 3 to 4 inches across; very double and finely fringed. Pure white. Pkt., 10c.
 888 **WORCESTER MIXED**. Our own mixture of single and double annual varieties. All types and colors. Pkt., 10c; 1/4 oz., 20c; oz., 60c.
CALIFORNIA POPPY. See Eschscholtzia.

Primula (Primrose)

PRIMULA SINENSIS (Chinese Primrose).

A beautiful winter-blossom greenhouse perennial blooming from December to spring.

- 900 **CHOICEST MIXED**. Comprises the finest fringed varieties. Pkt., 35c.
 902 **KEWENSIS**. Golden yellow. Pkt., 35c.

Rhodanthe

One of the finest everlasting flowers and an excellent plant for garden decoration. If flowers are gathered before they are fully expanded and dried in the shade they will retain their color for years.
 920 **MIXED COLORS**. All shades of pink, rose, crimson, and white. Pkt., 10c.

Salpiglossis

(Velvet Flower; Painted Tongue)

Graceful, half-hardy annual, bearing from August to October. Seed may be sown in the house the last of March or in the open ground in May. The plant succeeds best in deep, rich, rather light loam of medium mixture. 2 feet.

- 928 **GRANDIFLORA**. Choicest mixed. Extra large flowered strain. Pkt., 10c; 1/8 oz., 25c.
 929 **EMPEROR**. Mixed colors. New type with one thick leading stem, flowers large and distinct in their beautiful veinings of gold. Pkt., 10c; 1/8 oz., 30c.

Rudbeckia (Coneflower)

To this family belong the favorite plants Golden Glow and Black-eyed Susan.

- 923 **BICOLOR SUPERBA**. Free-blooming annual of dense, bushy growth, bearing on long stems large, bright yellow flowers with velvety brown spots at base of petals and disc or cone of brown. Excellent for cutting. 2 feet. Pkt., 10c.

Salvia (Scarlet Sage)

A mass of bloom from late summer until killed by frost; tender perennial, treated as an annual. Seed should be sown early indoors, or in hotbed and the plants set out when the weather has become warm.

- 934 **AMERICA, OR GLOBE OF FIRE**. Semi-dwarf, rounded. Bushes brilliant scarlet. Scarlet flowers. Pkt., 10c; 1/8 oz., 40c.
 935 **SPLENDENS GRANDIFLORA**. The well-known Scarlet Sage. 3 feet. Pkt., 10c; 1/8 oz., 40c.
 936 **BONFIRE** (Clara Bedman). Compact, bushy growth, blooms earlier and more profusely. Intense scarlet. 2 feet. Pkt., 10c; 1/8 oz., 40c.
 937 **FARINACEA**. A perennial variety, but best grown as an annual. Seed sown in the open ground in May blooms from July to frost. The fine light blue flowers are borne on long spikes held above the foliage. Pkt., 10c; 1/8 oz., 40c.
 938 **ZURICH**. One of the best of recent introductions; dwarf, compact habit, producing long, thick spikes of brilliant scarlet flowers blooming in July. Pkt., 10c.

Sanvitalia

- 940 Double; fine for bedding, borders or rockeries. The flowers are bright yellow, bloom in six weeks time. Pkt., 10c; 1/8 oz., 25c.

Scabiosa (Mourning Bride)

The flowers are large and double, with a great variety of colors. Of easy culture and blooms freely from July until hard frost. Hardy annual. 2 1/2 feet.

- 945 **LARGE-FLOWERED**. Mixed colors. Fine, large, double flowers in a wide range of colors. Pkt., 10c; 1/4 oz., 20c.

SCARLET RUNNER. See Beans—Ornamental Varieties.

Schizanthus

(Butterfly, or Fringe Flower)

Wonderfully showy half-hardy annuals, very decorative for garden beds and unsurpassed in pots for the conservatory. The seed germinates readily and in a few weeks' time the plant is a mass of brilliant flowers, in an extraordinary variety of colorings. The foliage of the plant is very delicate and fernlike and highly decorative in appearance.

- 948 **GRANDIFLORUS HYBRIDUS**. Very fine varieties. Pkt., 10c.
 949 **WISETONENSIS**. Containing the most beautiful shades of white, pink, rose and crimson. Excellent for pot culture. Pkt., 10c; 1/4 oz., 60c.

Sensitive Plant (Mimosa Pudica)

- 950 **PUDICA**. Globular heads of small pink flowers. Grown chiefly for the peculiar habit of the plant, the leaves closing and drooping at the slightest touch. Tender annual. 1 1/2 feet. Pkt., 10c.



Scabiosa.



Salpiglossis.



Schizanthus.



Statice Sinuata.

Ross' Selected Annual Flower Seeds

Stock (Gilliflower)

One of the most popular annuals, remarkable for its profusion of bloom, brilliancy and diversity of colors and lasting quality of its flowers. Plants from seed sown inside in March or April commence to bloom in July and those from seed sown in the open ground in about ten weeks and continue until frost.

957 BEAUTY OF NICE

Mammoth flowering. Delicate flesh pink, extra large spike. Pkt., 10c; 1/8 oz., 50c.

958 MONT BLANC. Purest white. Pkt., 10c.

959 MONTE CARLO. Canary-yellow. Pkt., 10c.

961 SUMMER NIGHT. Rich deep blue. Pkt., 10c.

DRESDEN PERPETUAL OR BRANCHING (Cut-and-Come-Again).

A perpetual blooming class of branching habit; double, fragrant flowers. 2 feet.

967 CHOICEST MIXED. Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 40c.

971 LARGE-FLOWERED DOUBLE TEN WEEKS.

Seeds grown in the open ground instead of in pots, therefore cheaper. A good range of colors. 1 1/2 feet. Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

Sunflower (Helianthus)

The Sunflower grows well in all soils if fully exposed to the sun. The taller varieties make excellent background to other plants.

975 CUCUMERIFOLIUS (Miniature Sunflower). Small single flower, rich yellow. 4 feet. Pkt., 10c; 1/2 oz., 25c.

976 GLOBOSUS FISTULOSUS (Globe or Dahlia Sunflower). Flowers large, double, of a rich saffron color. 6 feet. Pkt., 10c; 1/2 oz., 25c.

977 RED SUNFLOWER. The new Red Sunflower is easily grown from seed the same as all of the Helianthus family. Pkt., 10c; 1/2 oz., 30c.

980 NEW MINIATURE VARIETIES. Colors of yellow and creamy white. Some are large, some have twisted petals and some black centers. Pkt., 10c; 1/4 oz., 25c.

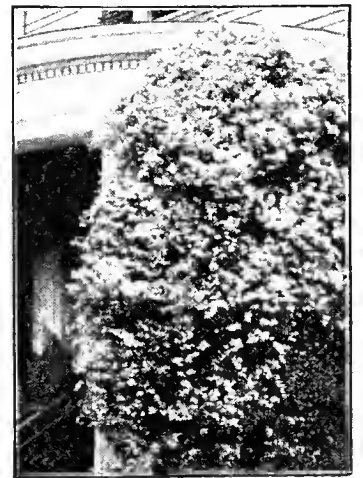
984 DOUBLE CHRYSANTHEMUM-FLOWERED. Flowers larger than the preceding; full and double. Orange-yellow. 5 feet. Pkt., 10c; 1/2 oz., 35c.

986 RUSSIAN MAMMOTH. Very large. 7 to 9 feet. Oz. pkt., 10c.

SWEET SULTAN. See Centaurea, page 31.



Helianthus Globosus.



Clematis Paniculata.



Stocks, Beauty of Nice.

Smilax

955 A climbing plant, unsurpassed for its graceful foliage and orange blossom fragrance of its flowers. Makes a fine pot or basket plant. Elegant for table decoration when cut. Pkt., 10c.

SNAPDRAGON. See Antirrhinum.

SOLANUM CAPSICASTRUM. See Jerusalem Cherry.

Statice

Beautiful everlasting with spreading panicles of tubelike flowers that are decorative either in the garden or when cut. Their most effective use, however, is in bouquets for winter, either alone or with other dried flowers. Sow outside in May after danger from frost. Hardy annual.

956 SUWOROWII PINK. Pkt., 10c; 1/4 oz., 35c.

956A SINUATA BLUE. Pkt., 10c; 1/4 oz., 25c.

956B BONDUELLI YELLOW. Pkt., 10c; 1/4 oz., 25c.

956C SINUATA WHITE. Pkt., 10c; 1/4 oz., 25c.

Thunbergia

1315 MIXED. An annual vine, growing about 4 feet high, bearing medium-sized flowers, white, buff or orange, with dark eye. Largely used in hanging baskets or window boxes. Pkt., 10c.

Venidium Fastuosum

1318A A unique annual that suggests the exotic splendor of its native home, South Africa. It luxuriates in the glowing heat of the midsummer sun. The plant bears deep orange, daisy-like flowers with reddish brown center and is from three to four inches in diameter. Height 2 feet. Pkt., 20c.

Wild Cucumber Vine

1346 WILD CUCUMBER (Echinocystis lobata). One of the most rapid growing climbers with white, fragrant flowers. Seed may be sown either in the fall or spring. Pkt., 10c; 1/2 oz., 20c; oz., 35c.

Silene (Catchfly)

Profuse flowering plants of easy culture. Seed of the annual sorts may be sown in the open ground early in spring or in the fall if early bloom is desired.

951 ARMERIA (Common Catchfly). Mixed. Annual; blooms from July to September. White, pink and red. 1 1/2 feet. Pkt., 10c.

953 PENDULA COMPACTA. Mixed colors. White, rose and red. Annual. Largely used for edgings. May to August. 6 inches. Pkt., 10c.

Vines That Cling and Creep

They are the Laces and Frills of Mother Nature's Dress.

Clematis (A Vine)

340 PANICULATA. One of the finest hardy perennial climbers. Of robust habit and covered from the ground to the summit with pure white fragrant flowers. The flowers are followed by pretty seed pods of bronzy red. 12 feet. Pkt., 10c.

Kudzu Vine (Pueraria)

560 THUNBERGIANA (Jack-and-the-Beanstalk Vine). A vine of wonderfully rapid growth, when well established growing to the great height of 40 to 50 feet. Leaves are of enormous size. Hardy perennial. Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c.

Lathyrus Latifolius (Everlasting Sweet Pea)

An easily grown hardy perennial climber, bearing freely flowers somewhat similar in form to the Sweet Pea. If grown on moist soil, will bloom nearly all summer. Colors: Reddish purple, rose and white. 6 to 8 feet.

570 MIXED COLORS. Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c.

Ross' Sweet Peas

Leading Spencer Varieties

All at uniform price except where noted. Pkt., 10c; 1/2 oz., 20c; oz., 35c; 1/4 lb., \$1.00, postpaid.

Multi-Color Shades

BLANCHE FERRY. Rose standard and light pink wings. Our strain is comparatively free from objectionable tinting. The color shade is accentuated by partial shadings.

SUNKIST is a large rose picotee, edged on cream ground, giving a very beautiful effect, especially when used for table decorations. The large, bold flowers are well waved and borne on good, stout stems.

YOUTH. The color is an exquisite pink picotee edge on a pure white ground and a combination that cannot fail to excite enthusiasm on the part of all growers.

Blue Shades

HEAVENLY BLUE. A fine clear blue Spencer. This variety lacks the mauve shade which spoils so many blue Sweet Peas. It is of vigorous growth and carries well placed flowers on good long stems.

MRS. TOM JONES. Deep amethyst blue, very fine form, the best of the deep blues.

Cream and Primrose Shades

DOBBIE'S CREAM. Rich primrose, perfect form, waved edge, usually four flowers on a stem.

MARY PICKFORD. A beautiful dainty cream-pink with just the faintest suffusion of salmon, making the color combination hard to surpass. The flowers are perfectly formed with both standards and wings decidedly waved. "Mary Pickford" is a sturdy grower, producing an abundance of large, four-flowered sprays on long, stout stems.

Crimson-Scarlet Shades

CRIMSON KING. The color is a solid, rich, deep, clear crimson throughout, becoming richer in the throat. Absolutely no distinguishing difference between the color of standard and wings. The flowers are of precisely the same distinct color from bud to "passing off" stage. Entirely free from sunburn and wind scald at all times.

FIERY CROSS. The flowers are of good size and beautifully waved, but its greatest merit is its color, a brilliant fiery scarlet, and its well-deserved name is truly descriptive.

HONOUR. A very large bright crimson Spencer Sweet Pea of magnificent form. The standard and wings are alike in color and the flowers nicely placed on good, stout stems. Honour is a fine free-flowering variety and of robust growth.

KING EDWARD SPENCER. Rich crimson-scarlet, large and of fine form; the best of this color.

No. 1295

Rainbow Assortment of Our Best Mixed Sweet Peas SPENCER VARIETIES

The varieties consist of Giant and Orchid-Flowered, both Spencer Unwin types and many other unnamed Spencers. A worth while assortment that is priced below its real value. Pkt., 10c; oz., 25c; 1/4 lb., 60c; lb., \$2.00.

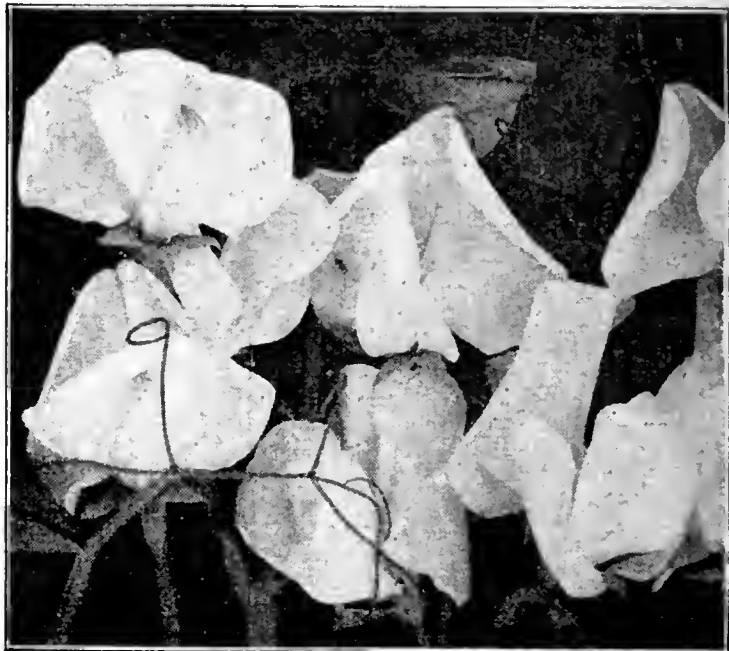
No. 1296

Blue Ribbon Assortment of CHOICE Mixed Spencer Sweet Peas

Containing the new Orchid-Flowering and Eckford's Large-Flowering Hybrids in great variety with other older types of known popularity.

This Ross own choice mixture is surely a temptation to every garden lover to plant freely these colorful messages of joy.

Price: Oz., 10c; 1/4 lb., 35c; lb., \$1.15.



Ross' Spencer Sweet Peas.

Lavender and Purple Shades

ASTA OHN. Large flowers, waved and fluted in the standard with very large wavy wings, lavender, suffused or tinted with mauve; superior to any other lavender.

AUSTIN FREDERICK IMPROVED. A very large and long-stemmed rosy lavender. A vigorous grower and producer. A wealth of fine blossoms.

POWERSCOURT. Clearest lavender. A vigorous variety extremely popular with fanciers as it produces exquisite frilled blossoms.

ROYAL PURPLE. A new shade in Sweet Peas, a rich purple and almost a true royal purple. The same shade effect does not exist in the grandiflora type.

Salmon and Orange Shades

BARBARA. An excellent sort for exhibition or table decoration; a large salmon-orange and much superior to Earl Spencer, as it retains its original color.

PRINCE OF ORANGE. Like all orange colored varieties, requires shading, but this extra labor is amply repaid by the brilliant, rich color. Prince of Orange is the deepest and richest orange colored Sweet Pea we have ever seen.

Maroon and Chocolate Shades

HAWLMARK. Quite different from any other shade, which is a distinct maroon.

WARRIOR. Deep chocolate, almost black, unequalled for mixing with other shades for bouquets and table decorations. The darkest Sweet Pea introduced.

Pink Shades

APPLE BLOSSOM SPENCER. Bright rose standard with wings of very light primrose flushed or tinted rose-carmine. Very large Spencer form.

COUNTESS SPENCER. The original of this type. Soft rose-pink, deepening somewhat at the edges.

ELFRIDA PEARSON. The flowers are of extra large size, great substance and lasting quality when cut. They are nicely disposed on extremely long, stiff stems, invariably borne in fours. The vines bloom in wonderful profusion and are of such vigorous growth that the flowers frequently come with double standards. The color is lovely pink throughout, the buds and flowers being tinted with salmon-pink.

HAWLMARK SALMON PINK. Undoubtedly the finest Sweet Pea.

PINKIE is by comparison the largest of all we have ever seen in the Deep Pink section of accepted, preferred varieties. A most vigorous grower, producing on long stout stems well waved, nicely placed flowers of a beautiful rose-pink shade.

MISS CALIFORNIA. Salmon-pink.

White Shades

AVALANCHE. A white seeded white. This grand white is outstanding because of the thick texture of the petals and the pureness of the color.

CONSTANCE HINTON. A beautiful white Spencer of enormous size. Young flowers usually tinted a trifle pink, but they soon turn pure white.

KING WHITE. Pure ivory-white. It is of excellent vigor and produces very large-waxed flowers.

SWEET PEAS—Continued.

Early Flowering Spencers

- BLUEBIRD** (Early). Pure violet-blue. A sort producing waxed flowers. An extremely popular variety. Pkt., 10c; 1/2 oz., 35c; oz., 60c.
- EARLY GIANT ROSE**. Early. Largest of all rose-pink. Pkt., 10c; 1/2 oz., 35c; oz., 60c.
- EARLY HARMONY**. This is the outstanding lavender in early flowering sweet peas because of the vigor of growth and the wealth of blossoms produced. Pkt. 10c; 1/2 oz., 35c; oz., 60c.
- EARLY SILVER BLUE**. This is a light blue-lavender and is very popular because the light blue-lavender shade harmonizes with all pink shades. Pkt., 10c; 1/2 oz., 35c; oz., 60c.
- EARLY SNOW WHITE**. (Early). It is popular on account of the purity of the whiteness of the petals and the length of the stems. Pkt., 10c; 1/2 oz., 35c; oz., 60c.
- EARLY SUPERIOR PINK**. Early. It is a beautiful shade of rose-pink slightly tinged with salmon of perfect form and beautifully waved. Pkt., 10c; 1/2 oz., 35c; oz., 60c.
- EARLY VULCAN**. It is a very vivid scarlet. The flower is not affected by the bright sunshine, in fact the brighter the sun, the more intense the color. Pkt., 10c; 1/2 oz., 35c; oz., 60c.
- YARRAWA** (Early). A novelty of sterling merit, coming from Australia. The flowers are waved, of large size, many of them being double. Color, a soft, bright rose-pink with a creamy base. One of the best for forcing under glass and when grown out of doors blooms two weeks earlier than the Summer Spencers. Pkt., 10c; 1/2 oz., 35c; oz., 60c.

Of Special Interest to the Kiddies

- 1386 WILD FLOWER GARDEN MIXTURE**. A mixture of many free-blooming annuals which, once sown, require little care, and sown in this way, almost none. In fact, with the exceptions of thinning out some plants where they grow too thickly and removing an occasional weed, the bed often looks better let alone, is more in keeping with its name, and more like some lovely spots where wild plants grow. Pkt., 10c; 1/2 oz., 20c; oz., 35c; 1/4 lb., 80c.

Magnificent Zinnias—Colorful—Easy to Grow

(YOUTH AND OLD AGE)

The most gorgeous annuals with a wonderful range of color, flowers of velvety texture, extremely double with long stems and good keeping qualities.

- 1350 MIXED COLORS**. An improved strain, comprising all colors and many large flowers. 2 feet. Pkt., 10c; 1/4 oz., 20c; oz., 60c.

Mammoth Flowered Zinnia

These grand annuals are of the Giant or Mammoth flowering type and superior to the old-fashioned "Youth and Old Age."

The plants grow from 2 1/2 to 3 feet high and are covered with myriads of densely double flowers, measuring from 4 to 6 inches in diameter.

- | | |
|-----------------------|------------------------|
| 1351 Mammoth Crimson. | 1354 Mammoth Yellow. |
| 1352 Mammoth White. | 1355 Burnt Orange. |
| 1353 Mammoth Scarlet. | 1356 Deep Salmon Rose. |

Each, pkt., 10c; 1/4 oz., 35c.

- 1358 MAMMOTH**. Mixed colors. Pkt., 10c; 1/4 oz., 25c; oz., 75c.

- 1360 CURLED AND CRESTED**. A pleasing variation from the regular type, the petals being twisted, curled and crested. All colors. 2 1/2 feet. Pkt., 10c; 1/4 oz., 35c.

- 1362 ZEBRA**. Striped flowers, the colors varying on each plant. Pkt., 10c; 1/4 oz., 25c.

- 1363 LILLIPUT** (Pompon). Small, double flowers of many colors. Very profuse. 1 1/2 feet. Pkt., 10c; 1/4 oz., 25c.

- 1364 HAAGEANA FL. PL.** (Mexican Zinnia). A distinct type with small, pretty, double and semi-double flowers. Of dwarf and slender growth, the plant is excellent for bedding, while the deep orange flowers are good for cutting. Pkt., 10c; 1/8 oz., 25c.

- 1365 SCABIOUS FLOWERED MIXTURE**. Plants 2-2 1/2 ft., bearing numerous medium sized flowers, remarkably resembling the annual Scabiosa. Colors include crimson, scarlet, orange, yellow, pink and white. Pkt., 25c; 1/8 oz., 50c.

Verbena

Favorite annuals, thriving in nearly all soils. Useful for beds, borders, carpeting ground and vases. Plants from seed sown in open ground in May will begin to bloom in August, and those sown inside in March will bloom from June until frost.

- 1319 MAMMOTH GOLDEN QUEEN**. As in Asters it has been difficult to get a clear golden yellow. Golden Queen has medium size flowers borne on a vigorous vine that is of an everbearing nature. Pkt., 10c; 1/8 oz., 40c.

- 1320 MIXED COLORS**. A good strain, all colors of old type. Pkt., 10c; 1/2 oz., 40c; oz., 70c.

- 1321 MAMMOTH MIXED COLORS**. Best large flowering sorts of many colors. Pkt., 10c; 1/4 oz., 50c.

- 1322 SCARLET DEFIANCE**. Large trusses of deep, rich scarlet. Pkt., 10c.

- 1323 MAMMOTH WHITE**. Truss and flowers large, fragrant. Pkt., 10c.

- 1324 ITALIAN STRIPED**. Large trusses of medium-sized flowers, each distinctly striped. Pkt., 10c.

- 1325 "BURBANK'S GIANT MAYFLOWER."** A selected strain from Luther Burbank, having a powerful fragrance like that of the trailing Arbutus. The flowers are large and of beautiful colors. Pkt., 15c; 2 pkts., 25c.

- 1326 LEMON**. An old favorite with delightfully scented foliage. Low-growing tender plant and may be grown in the garden in summer and in pots in winter. Pkt., 10c.

- 1327 FIREBALL** (Nana Compacta). A dwarf compact Verbena, growing about 6 inches high and covered with bright scarlet blooms. Excellent for borders, beds or pot plants. Pkt., 15c.

**1328 HYBRID COMPACTA TYPE
(Edging Verbenas)**

These are distinct from all other types of Verbena, very compact, dwarf, and free flowering. The color range is very wide, in bright shades. They are excellent for the annual rock garden in a sunny position, for borders or edgings, or for window boxes or pots. Mixed colors. Pkt., 10c; 1/8 oz., 50c.

Zinnia, New Giant Dahlia Flowered

This splendid new and distinct race is without a doubt the greatest improvement in Zinnias yet developed and will greatly increase the popularity of this flower. The plants are of strong, vigorous habit, from 2 1/2 to 3 feet high, and produce mammoth flowers 4 to 6 inches across and 2 1/2 to 3 inches deep.

- 1366 BUTTERCUP**. An immense deep, creamy yellow. A very desirable flower.

- 1368 CRIMSON MONARCH**. The largest and best of the red shades. Flowers often eight inches in diameter.

- 1370 DREAM**. A fine, deep lavender, turning to purple (Mallow Purple), a new, desirable shade in Zinnias.

- 1372 EXQUISITE**. Truly Dahlia-flowered as regards form and size. Color, light rose with center a deep rose (Tyrian Rose).

- 1374 ORIOLE**. The most beautiful of its class. Immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.

- 1376 OLD ROSE**. A real old rose shade; it is large and beautiful.

- 1378 POLAR BEAR**. Large, pure white, the best in Zinnias. True Dahlia form.

Each of the above, pkt., 15c; 1/8 oz., 30c; 1/4 oz., 55c.

- 1380 SPECIAL MIXTURE**. A well blended mixture containing all the above novelties. Pkt., 15c; 1/8 oz., 25c; 1/4 oz., 45c.

- 1382 GOLD MEDAL DAHLIA FLOWERED ZINNIA**. Mixed colors. This is an extra select strain especially suited for florists' use. The seed is hand picked from the earliest and best flowers of the season. Pkt., 25c; 1/8 oz., 40c; 1/4 oz., 75c.

Here's Your Big 1934 Bargain Offer**WORCESTER DOLLAR COLLECTION**

15 Lovely Annuals Anyone Can Grow.

Many garden enthusiasts take advantage of our special \$1.00 Collection offered each year.

Carefully Selected Varieties. It is your opportunity to buy Beauty at an exceptionally low price.

Annual Chrysanthemum. Mixed colors.

Asters. Worcester mixed.

Balsam. Choice mixed.

Calendula. Choice mixed.

Carnation. Double fine mixed.

Cosmos. Large early flowering.

Helichrysum. Mixed colors.

Nasturtium. Dwarf mixed.

Pansy. Worcester mixed.

Phlox. Finest mixed.

Portulaca. Single mixed.

Salpiglossis. Mixed colors.

Scabiosa. Mixed.

Sweet Alyssum. Little Dorrit.

Verbena. Mixed colors.

\$1.00

Showy Perennials for Every Garden Enthusiast

Wonderfully improved varieties, that bring added charm to the delightful favorites so prized in the old-fashioned garden of Grandma's time.

Achillea

135 PTARMICA (The Pearl). Bears clusters of pure white flowers abundantly all summer; fine for cutting; also for cemetery planting. 12 to 18 inches. Pkt., 10c; 1/8 oz., 50c.

Aconitum

136 NAPELLUS (Monkshood). Large, porcelain-blue hood-shaped flowers; very effective in borders; valuable for cutting. 1 1/2 feet high. Pkt., 10c; 1/8 oz., 30c.

Adlumia

140 CIRRHOSA (Mountain Fringe; Allegheny Vine). A beautiful, hardy, climbing biennial. The feathery foliage resembles that of the maidenhair fern. Rapid growth. Small, tube-shaped pink blossoms. Desirable for covering trellises, stumps, etc. 10 to 15 feet. Pkt., 10c.

Adonis

145 VERNALIS (Ox-Eye). Hardy perennial, blooming early in spring; when once established, may be easily increased by division. Flowers large, yellow. 18 inches. May and June. Pkt., 10c.

Agrostemma

Pretty, free-blooming plants of easy culture, especially desirable for dry situations. Excellent for cutting.

161 CORONARIA (Rose Campion). One of the earliest hardy perennials. 1 1/2 feet. Pkt., 10c.

Alyssum (Gold Dust)

170 SAXATILE COMPACTUM. Hardy, compact growth, producing a mass of golden yellow flowers in April. Height 1 ft. Of easy culture. Excellent for rockeries and borders. Pkt., 10c; 1/8 oz., 25c.

Ampelopsis

182 VEITCHI (Boston Ivy). Pkt., 10c.

Anchusa

186 DROPMORE VARIETY. This variety yields an abundance of brilliant blue flowers deep as the Blue Gentian. 4 feet. June and July. Pkt., 10c; 1/8 oz., 30c.

Anemone

A very popular, hardy garden perennial.

188 CORONARIA. Single, mixed colors. The well-known Poppy-flowered Anemone. 1 foot. Pkt., 10c.

189 CORONARIA, ST. BRIGID. An improved strain, bearing larger and more brilliant flowers and remaining in bloom longer. 1 foot. Pkt., 10c.

Anthemis

(Hardy Golden Marguerite)

A beautiful, hardy perennial; golden yellow, daisy-like flowers, excellent for cutting. Plants bushy and should stand at least 2 feet apart. Height 2 feet.

190 KELWAYI. Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

Aquilegia

(Columbine)

Beautiful free flowering hardy perennials, blooming throughout the spring and early summer. Of easy cultivation and will thrive in partial shade. 1 to 3 feet.

200 SINGLE MIXED. Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

202 DOUBLE MIXED. Pkt., 10c; 1/8 oz., 30c; 1/4 oz., 50c.

204 COERULEA HYBRIDA FL. PL. Long spurred, flowering hybrids in fine colors. Pkt., 15c; 1/8 oz., 40c.

Arabis (Rock Cress)

209 ALPINA. Charming low-growing, very early spring-flowering plant. Splendid for edging or for the rockery. Pure white flowers. 5 inches. April, May. Pkt., 10c; 1/8 oz., 30c.

Aristolochia

215 SIPHO (Dutchman's Pipe). A hardy perennial vine of rapid growth with large, glossy heart-shaped leaves, bearing curious yellowish brown blossoms, somewhat resembling a pipe. 15 to 20 feet. Pkt., 10c.

Armeria

215A LAUCHEANA (Dwarf Thrift). Most of us know the Giant Thrift, but we have not yet become so familiar with the dwarf strain. Lauchena is a very free flowering, dwarf variety, with medium sized flower heads of deep rose. They combine very nicely with forget-me-nots in the rockery or dwarf border. 6 inches. Pkt., 15c; 1/16 oz., 50c.

Asperula

220 ODORATA (Sweet Woodruff). A hardy perennial, blooming freely and continuously in rather moist soil and a partially shaded location. The flowers are white, but the plant is largely grown for its fragrant leaves and stems, which are used when dried for the same purpose as those of lavender. 1 foot. Pkt., 10c.

Bellis Perennis (Double Daisy)

A perennial plant, bearing in early spring small double white or rose-colored flowers. It succeeds best, here in a rich, loamy soil, partially shaded. It is generally classed as hardy, but really needs a slight protection through the winter. 4 inches.

246 LONGFELLOW. Dark rose. Pkt., 10c; 1/8 oz., 50c.

247 SNOWBALL. Pure white. Pkt., 10c; 1/8 oz., 50c.

247A RED QUILLED. Pkt., 10c; 1/8 oz., 50c.

248 MONSTROSA DOUBLE MIXED. These new "Double" Daisies surpass all strains of this popular plant in strong, robust growth and abundance of large bloom. Each plant produces 12 to 15 flowers that measure 2 to 3 inches across, carried on long, strong stems. Pkt., 10c; 1/8 oz., 50c.

HOLLYHOCK Double (Yellow) 10¢	GAILLARDIA (Copper Bronze and Yellow) 10¢	DELPHINIUM Hybridum (Blue Shades) 10¢	DIGITALIS Monstrosa (Mixed Colors) 10¢	ANCHUSA italica dropmore (Bright Blue) 10¢
ACHILLEA the Pearl (White) 10¢	SCABIOSA CAUCASICA (Lilac) 10¢	DIANTHUS PLUMARIUS Double (Mixed Colors) 10¢	SHASTA DAISY (White) 10¢	PYRETHRUM ROSEUM 10¢
SWEET WILLIAM Scarlet Beauty 10¢	ICELAND POPPY (White and Orange Red) 10¢	ARABIS alpina (White) 10¢	PRIMULA VULGARIS (Yellow) 10¢	PLATYCODON (Blue) 10¢
			AQUILEGIA (Mixed) 10¢	CENTAUREA montana (Blue) 10¢
			ALYSSUM saxatile (Yellow) 10¢	

Special Offer Perennial Border
18 Different Varieties as above

\$1.25



Crisp Tender Radishes

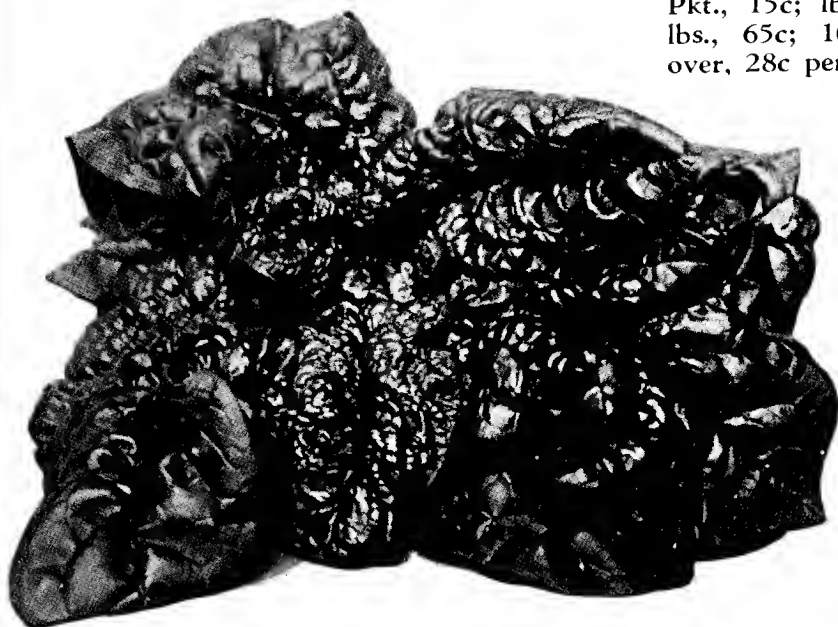
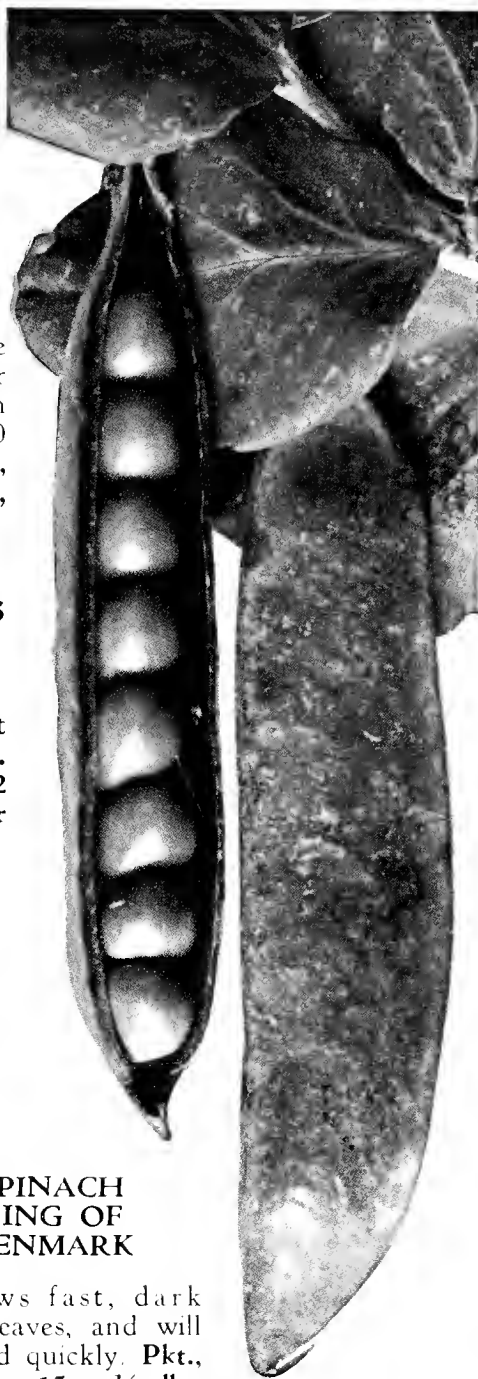
THE SCARLET GLOBE

Very uniform shape and color—best for forcing or open ground. Ready in 20 days from sowing. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Delicious Peas

IMPROVED TELEPHONE

Vines 4 to 5 feet high, large full pods. Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 28c per lb.



SPINACH KING OF DENMARK

Grows fast, dark green leaves, and will not seed quickly. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

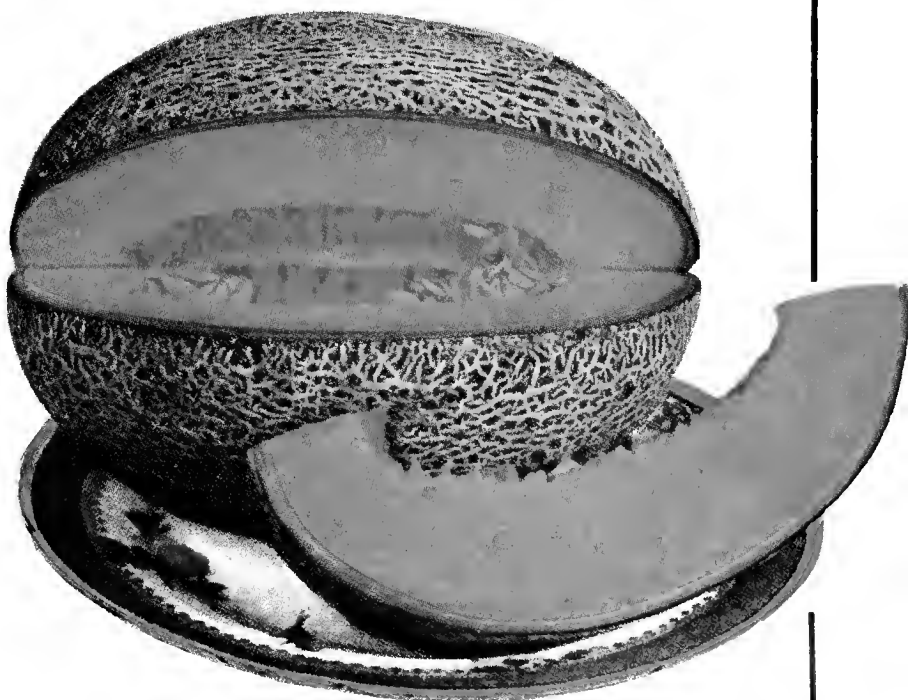
ASPARAGUS MARY WASHINGTON

Tips very compact, rich green color. The whole stalk is tender. Rust proof. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$1.60.



BENDER'S SURPRISE MELON

A popular melon for the New England States. Large, with delicious salmon flesh and keeps well. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.



Ross' Seeds

For Your Home Garden
or Farm

*Seeds That Will Make
Your Garden a Success*

BEANS, SURE CROP BLACK WAX

A half round variety which will yield several pickings of golden yellow thick pods. Quality is the best. Pkt., 15c; lb., 30c; 2 lbs., 55c; 10 lbs. or over, 24c per lb.

A
Fine
Market
and
Table
Beet.

BEET, CROSBY'S EARLY EGYPTIAN.

Very early, dark color, with small top. Fine for canning. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

TOMATO—JOHN BAER

Good size, good color, excellent quality. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

CARROT—EARLY CHANTENAY

A half-long variety, best for the home garden. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

SQUASH

BLUE HUBBARD

Yields very heavily—squashes of even size. Keeps well. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

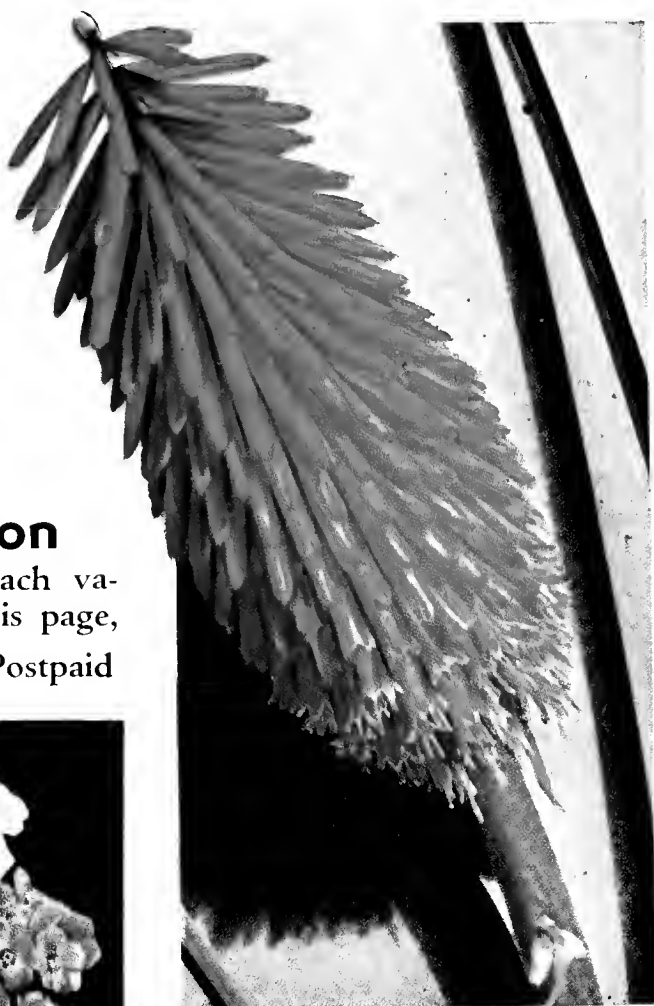
Vegetable seeds in quantities up to and including one pound, are sent post-paid anywhere in the United States at prices listed.



ALL FLOWER
SEEDS ARE
POSTPAID AT
PRICES LISTED

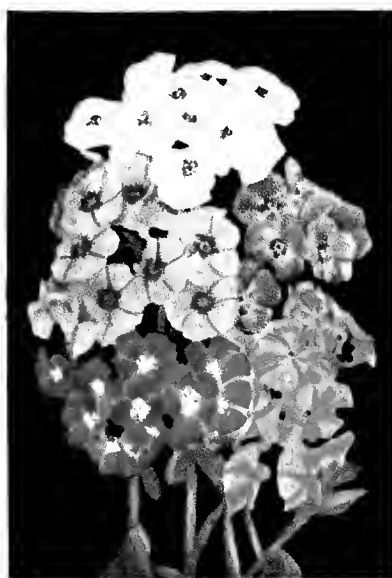
Collection

One packet of each variety listed on this page,
35c Postpaid



SALPIGLOSSIS

928. Velvet flower. Blooms August to October. Extra large flowers. Beautiful colors. Pkt., 10c; $\frac{1}{8}$ oz., 25c.



TRITOMA (Red Hot Poker)

1317. A torch of flaming orange-red. Excellent when planted in combination with Delphiniums. Pkt., 10c.



ANNUAL PHLOX

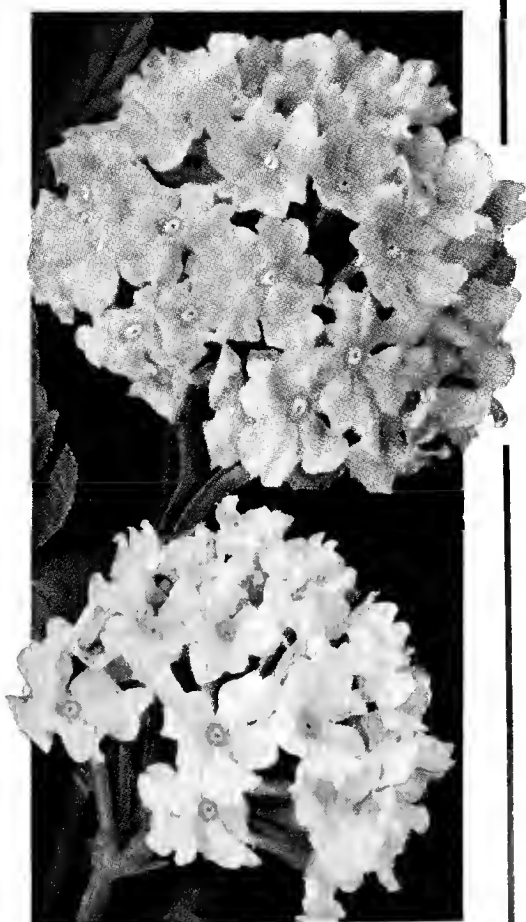
831. One of the easiest summer flowering plants to grow. Our own mixture from several growers. Pkt., 10c; $\frac{1}{4}$ oz., 30c; oz., \$1.00.

NEW MARIGOLD GUINEA GOLD

Brilliant orange flowers $2\frac{1}{2}$ inches across. Loosely ruffled petals. Pkt., 10c; $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 60c; $\frac{1}{2}$ oz., \$1.00.

MAMMOTH VERBENA

1321. Very large bloom in a mixture which includes many new colors. Pkt., 10c; $\frac{1}{8}$ oz., 30c; $\frac{1}{4}$ oz., 50c.





THE NEWEST GIANT ZINNIAS

**Dahlia-Fowered—
Dazzling Colors.**

This is the old favorite very much improved. Mammoth flowers in all the splashy colors needed to put life into the garden.

1380. Special mixture of colors. Pkt., 15c; $\frac{1}{8}$ oz., 25c; $\frac{1}{4}$ oz., 45c.



**ORIENTAL
POPPIES**
893. Beautiful large
blooms in many colors
Pkt., 10c.



Collection

One packet of each variety listed on these two pages.

75c Postpaid

GAILLARDIA BLANKET FLOWER

478. Very hardy. This flower combines rich shades of scarlet, orange, and crimson. Blooms first season if sown early. Pkt., 10c; $\frac{1}{8}$ oz., 30c.



DELPHINIUM

393. Seeds are direct from the Gold Medal Strain and include both single and double flowers of this wonderful plant with a wide range of color from deep and light blue to many lighter shades. Pkt., 25c.



CALIFORNIA SUNSHINE ASTER

24. True to its name this flower radiates sunshine wherever grown. White, blue, and pink mixed. Pkt., 10c; $\frac{1}{8}$ oz., 40c; $\frac{1}{4}$ oz., 75c.



CANTERBURY BELLS Prize Mixture

267. This is our own mixture of this delicate flower and includes all classes. Pkt., 10c; $\frac{1}{8}$ oz., 25c.



CALIFORNIA POPPIES

442. Beautiful showy annual flowers that make a bright red spot wherever planted. Pkt., 10c; $\frac{1}{8}$ oz., 20c; $\frac{1}{4}$ oz., 35c.



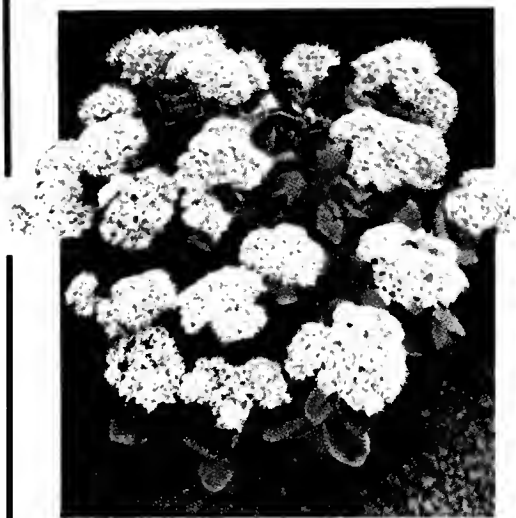
NEW DOUBLE NASTURTIUM GOLDEN GLEAM

710. This is one of the most widely accepted introductions for many years. Flowers borne erect, large golden yellow, $2\frac{1}{2}$ to 3 inches across. Pkt., 10c; $\frac{1}{2}$ oz., 40c; $\frac{1}{4}$ oz., 75c.



ROSS GIANT PANSIES

780. We claim to have the best assortment of colors in the world. Vigorous plants, with giant blooms. Some of the color combinations are almost indescribable. Pkt., 50c; 1/16 oz., 90c; 1/8 oz., \$1.50; 1/4 oz., \$2.75; oz., \$10.00. See page 53.



SEDUM SPECTABILE

949B. Grows 1 to 1 1/2 feet high, lavender-pink flowers. Pkt., 20c.

Collection

One packet of each variety listed on this page,

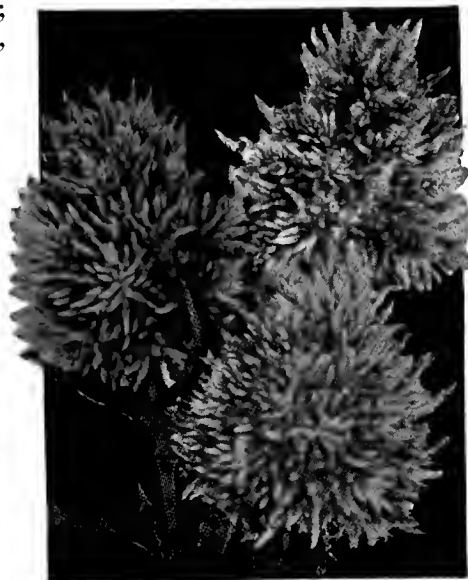
85c

Postpaid



SHASTA DAISY

378. Large pure white flowers blooming all summer. Pkt., 15c; 1/16 oz., 40c; 1/8 oz., 75c.



CHINESE WOOLFLOWER

329C. Very easy to grow, very showy mixed colors. Pkt., 10c.



SWEET WILLIAM

1308. Double sweet-scented flowers. Many new colors. A greatly improved strain. Pkt., 10c; 1/4 oz., 25c.



MOURNING BRIDE

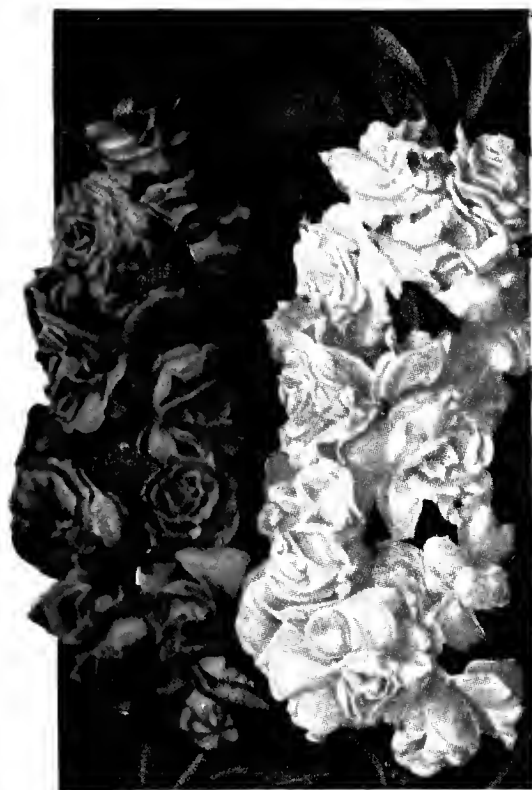
945. Of easy culture and blooms freely from July until frost. Large double flowers. All colors. Pkt., 10c; 1/4 oz., 20c.

Collection

One packet of each
variety listed on this
page,

70c

Postpaid



BALSAM—LADY'S SLIPPER

230. Bushy plants covered with
double flowers—bright colors. Pkt.,
10c; ¼ oz., 40c.



COSMOS

362. Blooms early,
very large. Crimson,
rose and white mixed.
Pkt., 10c; ¼ oz., 30c;
½ oz., 55c; oz., \$1.00.



PETUNIA

824. Flowers are of remarkable size,
wonderful colors. Many are beauti-
fully fringed. Pkt., 25c.



CALLIOPSIS

260. Easy culture, contains all
the desirable sorts and colors.
Pkt., 10c; ½ oz., 30c; oz., 50c.



COLUMBINE

204. Very free-flowering, in
bloom through spring and early
summer. Pkt., 15c; ⅛ oz., 40c.



LUPIN

590. Easily grown; bears long
graceful spikes of various colored
flowers. Pkt., 10c; ½ oz., 20c; oz., 35c.



ACHILLEA

135. Bears clusters of pure
white flowers all summer; fine
for cutting. Pkt., 10c; ⅛ oz., 50c.

No. 1295
**RAINBOW ASSORTMENT of Our Best
 MIXED SWEET PEAS**

Spencer Varieties

Everybody loves Sweet Peas and for those who prefer a combination of beautiful mixed colors, this **SPECIAL RAINBOW ASSORTMENT** of large flowering beauties, should have a special appeal.

The varieties consist of Giant and Orchid-Flowered, both Spencer Unwin types and many other unnamed Spencers. A worth while assortment that is priced below its real value. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.



Build a Rock Garden—It's a Happy Pastime

Our large assortment of "Rock Plants" will be ready to plant in your garden in April, May and June.
 Be sure to get your order in early—Prices on request.



Ross' Rock Garden Annual and Perennial Seeds

	A—Annual.	P—Perennial.
161	Agrostemma. $1\frac{1}{2}$ ft.	P.
170	Alyssum. 1 ft.	P.
186	Anchusa. $1\frac{1}{2}$ ft.	P.
188-189	Anemone. 1 ft.	P.
209	Arabis. 6 in.	P.
418	Dianthus. 1 ft.	P.
461	Forget-Me-Not. 6 in.	P.
478	Gaillardia. $1\frac{1}{2}$ to 2 ft.	P.
487	Geum. 2 ft.	P.
525	Heuchera. 1 ft.	P.
526	Hibiscus. 2 ft.	A.
543	Iberis. 8 in.	P.
609	Marigold, Scotch. 9 in.	A.
757A	Nepeta. 1 ft.	P.
818	Petunia. 1 ft.	A.
841	Phlox, Dwarf. 6 to 8 in.	A.
894	Portulaca. 4 in.	A.
903	Primrose. 8 in.	P.
913	Pyrethrum. 1 ft.	P.
921	Rocket, Sweet. $1\frac{1}{2}$ ft.	P.
940	Sanvitalia. 4 to 6 in.	A.
949A	Sedum. 3 in.	P.
953	Silene. 6 in.	A.
974	Stokesia. 2 ft.	P.
1318	Tunica. 10 in.	P.
1335	Viola Cornuta. 8 in.	P.

Ross' Perennial Flower Seeds



Canterbury Bells.

Canterbury Bells

(Campanula Medium)

Well-known, beautiful, hardy biennials. Like all of this class, may be sown where they are to remain any time after midsummer, or in beds in the spring for transplanting. The Calycanthema (Cup-and-Saucer) class is so named because of the broadening of the calyx into a saucer-shaped secondary flower. In permanent situations, plants should stand 18 to 20 inches apart. Succeed best in a rich, rather sandy, well-drained soil.

267 PRIZE MIXTURE. A superb mixture of all classes, single, double, and cup and saucer. Pkt., 10c; 1/8 oz., 25c.

268 SINGLE MIXED COLORS. Pkt., 10c; 1/8 oz., 20c.

269 DOUBLE MIXED COLORS. Pkt., 10c; 1/8 oz., 25c.

270 CALYCANTHEMA. Rose-pink. Pkt., 10c; 1/8 oz., 30c.

272 CALYCANTHEMA (Cup-and-Saucer). Mixed colors. Pkt., 10c; 1/8 oz., 30c.

273 CALYCANTHEMA. Blue. Pkt., 10c; 1/8 oz., 30c.

274 CALYCANTHEMA. White. Pkt., 10c; 1/8 oz., 30c.



Coreopsis Lanceolata.

Carnation (Hardy)

288 CHABAUD'S GIANT PERPETUAL. A new strain, remarkable for its combination of earliness with the continuity of bloom and perfection of flowers of the perpetual type. Flowers large, a high percentage double. Deliciously fragrant and greatly varied in coloring. Pkt., 10c.

290 DWARF VIENNA. Blooms early the second summer from seed. The hardiest sort, said to stand the winter with slight protection. Flowers large, double, fragrant and of varied colors. Pkt., 10c; 1/8 oz., 25c.

292 DOUBLE FINE MIXED. A choice strain of the regular type, blooming the second year from sowing. Most desirable for house culture. Pkt., 10c.

Centaurea

328 MONTANA BLUE (Perennial Cornflower). Large violet-blue flowers. 2 feet. Pkt., 10c; 1/8 oz., 30c.

Chrysanthemum

334 Early flowering double and semi-double mixed. Pkt., 10c.

335 JAPANESE HYBRIDS. Large flowers in a fine range of colors. Pkt., 10c.

336 KING EDWARD VII. Pure white. Pkt., 10c.

340 CLEMATIS. See Vines, page 39.

COLUMBINE. See Aquilegia.

Coreopsis

For Annual Varieties, see Calliopsis.

358 LANCEOLATA GRANDIFLORA. The flowers are a rich golden yellow often 3 inches in diameter, borne on fine, long stems desirable for cutting. Pkt., 10c; 1/4 oz., 40c; oz., \$1.40.

358A DOUBLE YELLOW. The flowers are immense and, while it is not a full double, it is a great improvement over the semi-double. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 60c.

Dahlia

One of our best autumnal flowering plants. Blooms until killed by frost; tuberous rooted, half-hardy perennials; blooming the first year from seed, if sown early. Protect the roots during winter in a dry cellar in peat moss or sand.

371 SINGLE MIXED COLORS. Pkt., 10c; 1/4 oz., 25c; oz., 75c.

372 SPECIAL MIXTURE of Giant-Flowered Single Varieties. Comprises seed from noted English and Holland growers. An unsurpassed mixture of the greatest possible diversity of color. Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

373 DOUBLE LARGE-FLOWERED. Mixed colors. Saved from the finest show varieties. Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

DAHLIA BULBS. See page 56.

Dielytra

421 SPECTABILIS (Bleeding Heart). The flowers are heart shape, varying from light pink to rosy crimson. Leaves are light transparent green. Blossoms in April and May. Price, 25c.

Daisy

378 SHASTA DAISY. Luther Burbank's wonderful hybrid Daisy. Large, pure white flowers blooming in great abundance all summer. 1 to 2 feet. Pkt., 10c; 1/16 oz., 40c; 1/8 oz., 75c.

MICHAELMAS DAISIES (Perennial Single Asters). Beautiful and showy, hardy perennials easily grown from seed, blooming profusely in the autumn months, and the first season if seed is sown early.

381 MIXED COLORS. Pkt., 10c.

For other flowers known as Daisies, see Anthemis, Brachycome and Chrysanthemums.

Richly Colored Striking and Stately Delphiniums

393 GOLD METAL STRAIN. Seeds taken from the Gold Medal strain. Double and single and includes light blue, intense deep blue and many lighter shades. See back cover. Pkt., 25c.

394 FORMOSUM. The large flowers are deep, rich blue, with white centers. 2 1/2 feet. Pkt., 10c; 1/8 oz., 30c.

395 HYBRIDUM. Shades of blue. If sown early, will bloom in August. 2 feet. Pkt., 10c; 1/8 oz., 25c.

396 DOUBLE HOLLYHOCK STRAIN. This strain is a fine mixture of all light shades, pale, clear blue predominating. The flowers are large, truly double, well placed on long spikes, their sturdy growth and general appearance reminding one of a Hollyhock. Price 15c.

397 CHINENSE GRANDIFLORUM (Album compactum). Pure white. Pkt., 10c.

397A NUDICAULE. Scarlet. 2 feet. Pkt., 10c.

Dianthus, Pinks

Hardy biennials, blooming the first year from seed. So easily grown from seed as to be rarely treated as biennials. Seed may be sown in the open ground any time in May. Plant 6 inches apart. Height 1 foot.

398 DOUBLE CHINA (D. chinensis fl. pl.). Small, double flowers, borne in large clusters of many colors, mostly with white edge. Pkt., 10c; 1/4 oz., 20c.

399 HEDDEWIGI DOUBLE (D. Heddewigi fl. pl.). Japan Pinks. Very large, double flowers of a wide range of color, running from white and light pink through shades of red to rich, velvety crimson and deep maroon, almost black. Pkt., 10c; 1/4 oz., 25c.

400 SINGLE MIXED. Large single flowers, varied colorings. Pkt., 10c; 1/4 oz., 20c.

406 DOUBLE FRINGED JAPAN (D. Laciniatus fl. pl.). Large, double fringed flowers, varied colorings. Pkt., 10c; 1/4 oz., 25c.

407 FIREBALL. Of dwarf habit. Flowers globular, double, dark, blood-red. Pkt., 10c; 1/8 oz., 25c.

408 SNOWBALL. Very double, pure white. Excellent. Pkt., 10c.

415 WORCESTER MIXED. All the above and other choice strains. Unsurpassed. Pkt., 10c; 1/4 oz., 30c; oz., \$1.00.

Clove or Grass Pinks

(Dianthus Plumarius)

Improved forms of the old well-known Clove Pink. They grow anywhere and bloom very profusely. Flowers of many pleasing colors and deliciously fragrant. Very useful for the hardy border.

416 SINGLE (Pheasant's Eye Pink). Mixed colors. Pkt., 10c; 1/8 oz., 20c.

417 DOUBLE AND SEMI-DOUBLE. Mixed colors. Pkt., 10c; 1/8 oz., 25c.

418 FLORIST'S PERPETUAL PINK (D. semperflorens). Double and semi-double; large flowers; very fragrant and many colors. Blooms nearly all summer and if sown in March will generally bloom the first season. Pkt., 10c; 1/8 oz., 30c.

Ross' Perennial Flower Seeds

Digitalis (Foxglove)

Favorite hardy plants bearing in June and July tall flower spikes. Of easy culture. Well suited for background to other plants and for naturalizing in the edges of woods. Hardy biennial or perennial. 2½ to 3 feet.

- 423 **MACULATA SUPERBA** (Ivery's Spotted). Choice strain of spotted varieties. Pkt., 10c.
- 424 **MONSTROSA**. Mixed colors. Monstrous flowers. Attractive. Pkt., 10c.
- 427 **PURPUREA** (Common Foxglove). Mixed colors. Pkt., 10c; ⅛ oz., 30c.
- 428 **PURPUREA**. Rose. Pkt., 10c.
- 429 **PURPUREA**. White. Pkt., 10c.

Forget-Me-Not

(Myosotis)

Favorite half-hardy perennials, mostly treated as annuals; nearly all blooming the first season from seed sown early in the open ground. They succeed to a degree that warrants their cultivation in average soil and open situation. 6 inches.

- 454 **ALPESTRIS** (Blue Alpine Forget-Me-Not). Pkt., 10c; ⅛ oz., 25c.
- 457 **PALUSTRIS** (True Forget-Me-Not). Dark blue; blooms the first season. Pkt., 10c; ⅛ oz., 40c.
- 459 **PALUSTRIS SEMPERFLORENS**. Blue. Blooms in eight to ten weeks from sowing. Pkt., 10c; ⅛ oz., 30c.
- 460 **PERFECTION**. Dwarf, indigo-blue. Pkt., 10c; ⅛ oz., 25c.

- 461 **VICTORIA**. The flowers are large, bright azure-blue, with yellow centers. Best for edging. Pkt., 10c; ⅛ oz., 35c.

Gaillardia (Blanket Flower)

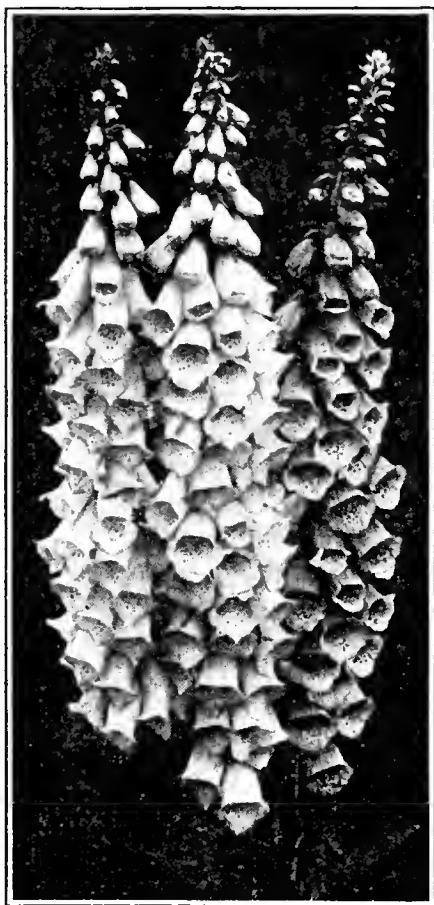
Hardy perennial Gaillardias thrive in nearly all soils. Flowers large, with rich shades of scarlet, orange and crimson, the three often combined in one flower. If sown early, will bloom in the first season. 1½ to 2 feet.

- 478 **GRANDIFLORA, LARGE FLOWERED CHOICE MIXED**. A splendid mixture; comprises all the colorings known. Pkt., 10c; ⅛ oz., 30c.
- 478A **BURGUNDY**. Burgundy is the darkest and most brilliant of all perennial gaillardias. It is coppery scarlet self colored, similar to Indian Chief in the annual varieties. If started early indoors, flowers may be produced the first season from seed, after which the plants will bloom profusely throughout the summer months. Pkt., 10c; 1/16 oz., 35c; ⅛ oz., 60c.

Geum

Free flowering, producing a wealth of attractive flowers much prized for cutting. They are of tufted habit of growth. Excellent for borders.

- 486 **LADY STRATHEDEN**. Flowers loosely double; a delightful shade of golden yellow. Pkt., 10c; ⅛ oz., 40c.
- 487 **MRS. BRADSHAW**. The double orange-scarlet flowers are very large and full. 2 feet. Pkt., 10c; ⅛ oz., 40c.



Digitalis Purpurea.



Gaillardia.



Geum, Mrs. Bradshaw.

Hibiscus

Vigorous-growing plants, producing large, handsome flowers, often 6 inches across. Very desirable for mixed beds or borders. 526 **SUNSET OR GOLDEN BOWL**. Hardy perennial yellow. 2 feet. Pkt., 10c; ⅛ oz., 30c.

Gypsophila

(Baby's Breath)

Very useful, free blooming plants of easiest culture. Flowers very small, borne in loose, graceful panicles. Used in bouquets with other cut flowers, such as Sweet Peas, Roses, Carnations, etc. 2 feet.

- 502 **MANGINI LIGHT PINK**, H. P. Pkt., 10c; ¼ oz., 35c.
- 504 **PANICULATA FLORE PLENO**. A fine, new double of the purest white, the flowers forming miniature balls of white petals. Pkt., 15c.
- 506 **PANICULATA**. White. The variety more generally known as Baby's Breath. Hardy perennial. Pkt., 10c; ⅛ oz., 20c.

Helenium

A very valuable hardy perennial, bearing in profusion in August and September, long-stemmed, single flowers; fine for cutting. Effective as a background.

- 510 **AUTUMNALE SUPERBUM**. Deep golden yellow. 5 to 6 feet. Pkt., 10c.

Heliopsis

- 516 **PITCHERIANA**. One of the best for dry soils. Excellent for cutting. Flowers beautiful deep yellow. 2 inches diameter. 3 feet. Pkt., 10c.

Heuchera

- 525 **SANGUINEA**. A fine, hardy perennial, bearing in graceful spikes rich crimson flowers. Useful for cutting. 1 foot. Pkt., 10c.

Hollyhock

Very ornamental perennials, attractive in mixed borders, making an attractive background. Flowers about 3 inches across set as rosettes around strong-growing stalks. Seed sown in May or June make fine blooming plants the following season.

- 530 **CHATER'S FINEST MIXED**. Choicest double varieties, a large percentage of the flowers coming double. Pkt., 10c; ⅛ oz., 35c; ¼ oz., 60c.
- 531 **DOUBLE**. Mixed colors. Pkt., 10c; ⅛ oz., 25c.
- 532 **ALLEGHENY**. Large, semi-double flowers, beautifully fringed, of silky texture and richly colored. Pkt., 10c; ⅛ oz., 25c.
- 534A **EXQUISITE**. Large flower, beautifully curled and fringed white-margined petals, each adorned with a long blotch in various shades of red. Pkt., 10c.
- CHATER'S DOUBLE**. 535 Maroon. 535A Pink. 536 Snow White. 536A Yellow. Pkt., 10c; ⅛ oz., 35c.

Humulus (Hop)

The *Lupulus*, or Common Hop, is a hardy perennial, easily grown from seed and, when established, of very rapid growth. 10 to 20 feet.

- 538 **LUPULUS**. The Common Hop. Pkt., 10c.

Iberis

- 542 **QUEEN OF ITALY**. Dwarf, bushy habit. Pink flowers. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.
- 543 **SEMPERVIRENS** (Perennial Candytuft). A desirable hardy perennial of easiest culture. Dwarf spreading habit; suitable for rockeries. Flowers pure white. Pkt., 10c; ⅛ oz., 35c.

- 560 **KUDZU VINE**. See Vines, page 39.

- 570 **LATHYRUS LATIFOLIUS**. See Vines, page 39.

Lavender (Lavandula Vera)

- 575 **VERA**. A well-known hardy perennial grown chiefly for its lasting fragrance. Pkt., 10c; ⅛ oz., 20c.

Linum

- 582 **FLAVUM**. Yellow. Excellent early flowering rock garden plant. Pkt., 15c.

Ross' Perennial Flower Seeds

Lobelia

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

588 CARDINAL FLOWER (*Cardinalis*). Intense scarlet. 3 feet. Pkt., 10c.

Lupin

591 PERENNIAL VARIETIES, MIXED. Hardy plants of easy culture; useful as a background in the perennial border. Mixed blue and white. 2 to 4 feet. Pkt., 10c; 1/2 oz., 30c; oz., 50c.

Lychnis

Perennial plants of easy culture, blooming the first season if sown early.

595 CHALCEDONICA (*Burning Star*). Bright scarlet flowers shaped like Maltese cross. Of fine color and thrifty growth; very effective in the perennial border. 2 feet. Pkt., 10c; 1/8 oz., 20c.

Mimulus

Bushy plants 1 foot high. Flowers various shades of yellow, spotted and marked crimson.

630 TIGRINUS (*Monkey Flower*). Handsome flowers with white, sulphur or yellow ground spotted with crimson, scarlet or pink. Pkt., 10c.

631 MOSCHATUS (*Musk Plant*). Small yellow flowers, musk-scented foliage, of trailing habit; excellent for hanging baskets. Pkt., 10c.

Nepeta

757A MUSSINI. A favorite perennial rock plant with blue-gray foliage and blue flowers. 9 inches. Pkt., 10c; 1/8 oz., 30c.

Ross' Selected Pansies

The Pansy stands in a class by itself. It is a flower that everyone admires, even if only a small place to raise them. The Pansy produces best results during the cool days of spring, and in a sandy loam, thoroughly prepared and supplied with well-rotted manure. To assist germination by retaining moisture, cover the seed bed with sheeting or single burlap, removing as soon as seedlings begin to appear. From this time on it is important never to let the soil become dry; to do so is fatal. Keep moist but not soaking wet. For early spring flowers, sow seed in August and protect during the winter.

770 BUGNOT'S SUPERB BLOTCHED. Rare shades of red, bronze or brown. Pkt., 15c; 1/8 oz., 60c; 1/4 oz., \$1.00.

771 CASSIER'S GIANT BLOTCHED. A very carefully selected strain of five-blotched varieties remarkable for the enormous size of the flowers and the many rare combinations of shades and colors. Pkt., 15c; 1/8 oz., 60c; 1/4 oz., \$1.00.

774 TRIMARDEAU PARISIAN, LARGE-STRAINED. A beautiful improved strain mostly white ground and five-blotched varieties. Pkt., 15c; 1/8 oz., 60c; 1/4 oz., \$1.00.

776 MADAME PERRET (*Phenomena*). A strain, distinctly beautiful pink, blotched or veined with rose, crimson, or purple, the upper petals either self-colored with rich wine-red or deep purple or with a margin of white. Pkt., 15c; 1/8 oz., 60c; 1/4 oz., \$1.00.

778 MASTERPIECE (*Ruffled Pansies*). A strain having ruffled and curled petals, giving the flowers the appearance of being double. Colors rich and striking. Pkt., 15c; 1/8 oz., 70c; 1/4 oz., \$1.25.

779 WORCESTER GIANT MIXED. Our own selections of choice large-flowered strains and varieties, including a proportion of all the preceding strains, the named separate sorts, and several choice strains from different growers. Wonderful colors, shades and markings representing nearly every type of Pansy. Pkt., 15c; 1/8 oz., 60c; 1/4 oz., \$1.00.

782 LARGE FLOWERED MIXED. Our own mixture of varieties. The range of colorings is excellent, and the mixture will be found very satisfactory. Pkt., 10c; 1/8 oz., 50c; 1/4 oz., 90c.

783 ENGLISH PRIZE MIXED. Includes many with facelike markings of various shades. Pkt., 10c; 1/8 oz., 50c.

785 CHOICE MIXED. A mixture of many varieties. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c; oz., \$2.50.

786 GIANT ADONIS. Splendid light blue, with white center and dark blotches. Pkt., 10c; 1/8 oz., 60c.

792 GOLDEN QUEEN. Pure yellow. Pkt., 10c; 1/8 oz., 60c.

794 INDIGO-BLUE. New rich shade. Pkt., 10c; 1/8 oz., 60c.

796 KING OF THE BLACKS. Pkt., 10c; 1/8 oz., 60c.

800 LORD BEACONSFIELD. Violet, shading to white at the top. Pkt., 10c; 1/8 oz., 60c.

804 PEACOCK. Rich blue and purple, edged with white; very striking. Pkt., 10c; 1/8 oz., 60c.

806 RUBY KING. Superb reddish shades. Pkt., 10c; 1/8 oz., 60c.

808 SNOWFLAKE. Pure white. Pkt., 10c; 1/8 oz., 60c.

811 YELLOW. With large, black eye. Pkt., 10c; 1/8 oz., 60c.

Ross' Giant Pansies

Outstanding in Color, Size and Freedom of Bloom

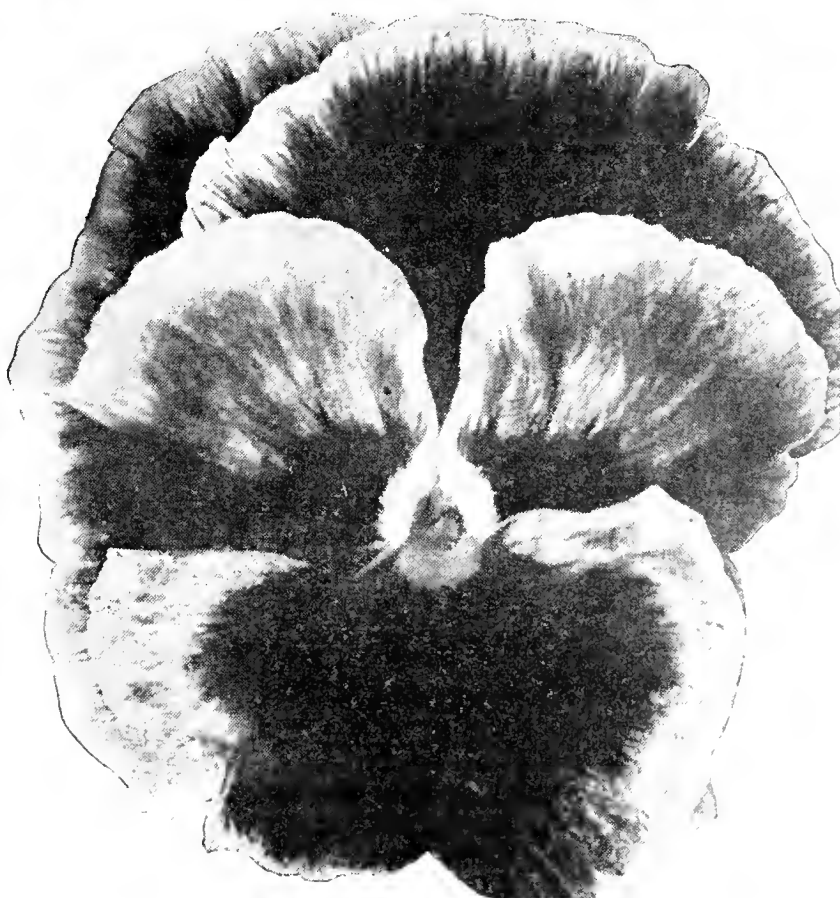
They are of enormous size with long stems and healthy foliage. The color combinations are new and very rare, including shades never before seen in Pansies—browns, salmons, pinks, reds, and wine colors. We do not hesitate to recommend this strain to the most critical grower.

Why buy ordinary seed when Ross' Selected Giants cost no more? One ounce of seed will produce as many as 20,000 plants. Try Ross' Selected Giant Seed this year for best results.

PRICE LIST OF ASSORTED COLORS:

780 Pkt., 50c; 1-16 oz., 90c; 1/8 oz., \$1.50;
1/4 oz., \$2.75; 1 oz., \$10.00; 1/4 lb., \$34.00;
1 lb., \$136.00.

These prices include free delivery in
U. S. A.



Ross' Pansy—America's Finest.

Ross' Perennial Flower Seeds

Phlox

The seed we offer has been saved from the best varieties and is supplied in mixture only.

847 CHOICEST MIXED. Pkt., 10c; 1/8 oz., 60c.

Physalis

(Chinese Lantern Plant)

850 FRANCHETI. Bright orange, scarlet lantern-like fruits which are gathered in the fall and dried. Very attractive for winter bouquets. If seed is sown early will bloom the first year. Pkt., 10c.

Platycodon (Chinese Bellflower)

855 GRANDIFLORUM. The propagation is more easily accomplished by seed than by division of the root. It is well adapted to the hardy border. Blooms from July to September. The flowers are large, steel-blue. 2 to 2 1/2 feet. Pkt., 10c; 1/8 oz., 50c.

Polemonium

857 COERULEUM. A hardy perennial. Easily grown from seed, preferably sown in the fall. Large heads of showy blue flowers from May to August. 2 feet. Pkt., 10c.

Hardy Perennial Poppies

890 ICELAND POPPIES. White and shades of yellow and orange. Mixed. Pkt., 10c; 1/8 oz., 25c.

ORIENTAL POPPIES. Easily grown from seed sown either in late fall or early spring. They bloom the second spring from sowing.

892 ORIENTALE. Deep crimson flowers, with blotch of black on each petal. Pkt., 10c; 1/8 oz., 25c.

893 NEW ORIENTAL HYBRIDS. Flowers of enormous size, sometimes 6 inches or more in diameter and of many novel colors. Pkt., 10c.

Hardy Primroses

Although known as a hardy perennial, these require in this climate some protection. If protected with leaves covered by a box, they will live through our severest winters. They are early blooming plants.

ELATOR (Polyanthus). Excellent for either pot or outdoor culture. Colors mostly shades of yellow, and red and yellow.

903 CHOICEST MIXED. Pkt., 10c; 1/4 oz., 85c.

904 VULGARIS. True, yellow English Primrose; canary yellow; fragrant. Pkt., 10c.

Pyrethrum

Hardy perennials of easy culture.

910 AUREUM (Golden Feather). Golden foliage; small, white flowers. 1 foot. Pkt., 10c.

913 ROSEUM HYBRIDUM. Blooms freely from June to September, bearing large-flowering, daisy-like flowers ranging from light pink to deep red, with bright yellow center; excellent for cutting. Pkt., 10c.

Rocket (Sweet)

(Hesperis Matronalis)

Hardy perennial plant of easy culture, bearing clusters of purple or white fragrant flowers. 1 1/2 feet.

921 MIXED. Pkt., 10c.

Rudbeckia (Coneflower)

Will grow in nearly all soils and situations, thriving partial or fully exposed to the sun.

925 NEWMANNI. Large golden yellow flowers, with maroon cone. Blooms for a long time. Hardy perennials. 2 feet. Pkt., 10c.

926 PURPUREA (Echinacea; Giant Purple Cornflower). Large flowers, about 4 inches in diameter; reddish purple, with large cone of brown. Hardy perennial. 3 feet. Pkt., 10c.

Scabiosa

947 NEW BLUE SCABIOSA. Hardy Perennial Scabiosa (Caucasica) (Blue Bonnet). One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water; color soft lavender-blue. 3 feet. Pkt., 10c.

947A NEW GIANT CAUCASICA HYBRIDS (Isaac House Strain). Each petal is beautifully ruffled and frilled. The predominating colors are delicate lilac and mauve but embracing shades from white to the darkest blue. Florists are finding this splendid for forcing under glass for cutting. Pkt., 15c; 1/16 oz., 50c.

Sedum

949A ACRE. H. P. Thrives well in poor soil. Fine for rockeries and for covering bare spots. Yellow blossoms. 3 inches. Pkt., 20c.

949B SPECTABILE (Showy Sedum). Large umbels of lavender-pink flowers. 1 to 1 1/2 ft. Pkt., 20c.

Stokesia Cyanea (Cornflower Aster)

973 BLUE. Blooms from August to frost. 2 ft. high. Pkt., 10c.

974 MIXED. Containing many new colors. Pkt., 10c.

Sweet William

(Dianthus Barbatus)

A hardy biennial with large trusses of sweet and scented flowers produced in abundance suitable for rock gardens.

1300 SINGLE MIXED COLORS. Pkt., 10c; 1/4 oz., 15c.

1302 HOLBORN GLORY. A new strain of the auricula-eyed section; both the head and individual flowers are of the largest size and each of the latter shows a clear white eye; of an exceedingly wide range of colors. Pkt., 10c; 1/4 oz., 35c.

1308 DOUBLE LARGEST-FLOWERED. Choicest mixed. A greatly improved strain. Pkt., 10c; 1/4 oz., 25c.

1309 SCARLET BEAUTY. A very effective rich, deep, scarlet variety. Pkt., 10c.

1310 EVERBLOOMING HYBRID (Dianthus latifolius atrococcineus fl. pl.). A variety which blooms the first season from seed. Color, intense crimson-scarlet. Pkt., 10c.

Tritoma

1317 TRITOMA (Red-Hot Poker Plant, or Flame Flower). H. P. Large spikes of orange-red flowers. Height 4 feet; effective in single clumps or among shrubbery. Pkt., 10c.

Tunica

1318 SAXIFRAGA. Dwarf, hardy perennial. Pink blossoms; an excellent rock plant. Pkt., 10c; 1/8 oz., 25c.

Veronica

1330 Pretty blue flowers on long spikes. Pkt., 10c.

Viola Cornuta

(Tufted Pansies)

Flowers are not so large as the Pansy. It blooms profusely and is quickly and easily grown. Seed sown in April will produce blooming plants in June and, if planted in cool, moist soil, partly shaded, nearly all summer. Hardy perennial.

1335 MIXED TUFTED PANSIES. Finest mixture of all colors. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 60c.

Wallflower

Though a fine bedding plant, it is more often grown as a pot plant. Shades of yellow, brown and reddish brown.

1340 SINGLE. Mixed colors. Pkt., 10c.

1341 DOUBLE BRANCHING. Mixed colors. Pkt., 10c.

1342 PARIS EXTRA-EARLY. A new single-flowered strain, blooming throughout the season, from spring-sown seed. Colors light brown, brownish, red, yellow, and creamy white. Mixed. Pkt., 10c; 1/4 oz., 20c.

Annual and Perennial Seeds for Borders

151 Ageratum. 8 in. A.

167 Alyssum. 6 in. A.

170 Alyssum. 1 ft. P.

188-189 Anemone. 1 ft. P.

209 Arabis. 6 in. P.

250 Brachycome. 1 ft. A.

251 Browallia. 1 1/2 ft. A.

282 Candytuft. 8 in. A.

338 Clarkia. 1 ft. A.

461 Forget-Me-Not. 6 in. P.

519 Heliotrope. 18 in. P.

525 Heuchera. 1 ft. P.

543 Iberis. 8 in. P.

609 Marigold, Scotch. 9 in. A.

747 Nasturtium, Dwarf. A.

757A Nepeta. 1 ft. P.

841 Phlox, Dwarf. 6 to 8 in. A.

940 Sanvitalia. 4 to 6 in. A.

953 Silene. 6 in. A.

1318 Tunica. 10 in. P.

Exhibition Gladiolus

All Gladiolus sent postpaid at prices quoted.

BREAK O' DAY. Early, tall growing La France pink on cream, edges of petals deeper pink. Each, 5c; doz., 40c; 100, \$3.00.

BYRON L. SMITH. White daintily overlaid lavender-pink, throat and base of lower petals bearing stippling and midribs of deeper color. Orchid-like coloring. Fine for cutting. Each, 5c; doz., 40c; 100, \$3.00.

CAPT. BOYNTON. Lavender-blue on white ground. Purplish blotch on lower petals. Large wide open flowers, grows tall and straight. Each, 8c; doz., 70c; 100, \$5.00.

CARMEN SYLVA. One of the best snow white glads, large florets, tall grower and is an extra fine cut flower. Each, 8c; doz., 70c; 100, \$5.00.

CRIMSON GLOW. Glowing, velvety crimson, shaded deeper in the center; tall, strong grower, florets large and well placed. Considered one of the best in its color. Each, 5c; doz., 40c; 100, \$3.00.

DR. VAN FLEET. Extra tall and slender plant, flowers of remarkable form and large size. A magnificent shade of delicate rose-pink, deeper at edges of all petals. Throat of softest canary-yellow or cream tint beautifully blended. Each, 8c; doz., 70c; 100, \$5.00.

E. I. FARRINGTON. New tall growing pale yellow. Florets medium sized and well placed on straight spike. Fine for cutting. Each, 8c; doz., 70c; 100, \$5.00.

ETHELYN. Orange. Tall straight plant. Very beautiful and artistic for floral work. One of the best primis. Each, 5c; doz., 40c; 100, \$3.00.

GIANT NYMPH. Very large light salmon-rose. Tall vigorous grower. Considered one of the best exhibition varieties in its color. Each 5c; doz., 40c; 100, \$3.00.

GOLD. Clear yellow. Is still one of the best yellows. Each, 5c; doz., 40c; 100, \$3.00.

HALLEY. Salmon-pink with creamy yellow blotch on lower petals. One of the earliest to bloom and one of the most widely grown varieties. Each, 5c; doz., 40c; 100, \$3.00.

IWA. Light rose with red blotch, many florets open on tall straight spike. Each, 8c; doz., 70c; 100, \$5.00.

LONGFELLOW. A beautiful La France pink that has become very popular. Tall, slender but straight and wiry spike with many well placed florets open. Each, 8c; doz., 70c; 100, \$5.00.

LOS ANGELES. Delicate shrimp-pink with cream feather in throat. It often sends out spikes after the main spike has been cut off and hence is called "The Cut and Come Again" variety. Each, 5c; doz., 40c; 100, \$3.00.

MADAME VON KONYNENBURG. Tall, clear, medium light blue. Several florets open. Each, 10c; doz., 75c; 100, \$6.00.

MARNIA. Beautiful live orange tinted with pink, practically an orange self; 4 to 6 florets open. Tall, strong grower. Each, 8c; doz., 70c; 100, \$5.00.

MRS. DR. NORTON. Finest cream and pink. When well grown cannot be beat. Awarded the highest honors everywhere. Each, 5c; doz., 40c; 100, \$3.00.

MRS. LEON DOUGLAS. Salmon-rose, striped with flame and scarlet. A real wonder glad. One of the tallest and showiest glads in existence. Several immense florets open at a time. Tip blooms often over 5 inches across. This variety is possibly the most popular variety grown. Should be staked. Each, 8c; doz., 70c; 100, \$5.00.

ORANGE QUEEN. Beautiful light orange, deeper at edge of petals, orange-red lines in the throat. Tall, clean grower, 5 to 7 florets open. Very popular with everyone. Each, 8c; doz., 70c; 100, \$5.00.

PRIM PICOTEE. A beautiful new novelty. Red with a gold edging on all petals. Very attractive. Each, 10c; doz., 75c; 100, \$6.00.

PURPLE GLORY. Tall, strong growing plant with massive deep velvety maroon flowers with almost black blotches. Heavily ruffled. One of the most popular varieties. Each, 8c; doz., 70c; 100, \$5.00.

ROSE ASH. A pastel shade. Ashes of roses. One of the most popular smoky varieties. Each, 8c; doz., 70c; 100, \$5.00.

ROSE MIST. This variety is in a class by itself. Color is difficult to describe. It is a sort of old rose with buff showing through. 5 to 8 well placed blooms open on a very tall spike. Very decorative. Each, 8c; doz., 70c; 100, \$5.00.

SCARLANO. Light bright orange-red. Sturdy spike, large florets very ruffled. Each, 5c; doz., 40c; 100, \$3.00.

SWEET LAVENDER. Pinkish lavender, blending creamy yellow with magenta blotch. Large florets. Very fine for cutting. Each, 5c; doz., 40c; 100, \$3.00.

VESTA TILLEY. Very pale pink, almost white, with a small, violet blotch. This blotch makes it very charming. Very early. Each, 5c; doz., 40c; 100, \$3.00.

OUR WORCESTER MIXTURE. A mixture of named varieties. Selections from all classes, unsurpassed in diversity of both colors and types and in quality of flowers. Doz., 40c; 100, \$3.75.

The Wonder Mixture

All top size bulbs. Doz., 29c; 100, \$2.00.

Best Quality Cannas

Dormant roots of the varieties listed below until May 1st only. Prepaid.

For a brilliant show all summer there is no plant excelling the Canna; it even surpasses the Geranium in its gorgeous display of brilliant colors, blooming continuously from the time of planting until cut down by frost. Plant 18 inches apart each way.

Prices of varieties listed below: Each, 10c; doz., \$1.00.

APRICOT. This recent introduction brings us a new shade of red and a most gorgeous flower. The blossoms are very large and of a clear, velvety shade of deep cerise. Deep green foliage.

KING HUMBERT. Truly a king among the Cannas. A massive coppery scarlet flower, broad, deep bronze foliage. Grows 4 feet high.

THE PRESIDENT. Height 4 feet. In color a rich glowing scarlet. Immense, firm, rounded flowers on strong, erect stalks.

VENUS. A dainty combination of rose-pink petals with a narrow border of cream-yellow. Three to four feet tall with bright green foliage.

WYOMING. Called King of the Giants. One of the most majestic, having a luxuriant growth of rich purple foliage. Above this are borne great plumes of massive orange colored blossoms, true orchid-shaped, with large, rounded petals.

WINTZER'S COLOSSAL. 5 feet. Green foliage. A striking, vivid scarlet.

YELLOW KING HUMBERT. A sport of that most popular of all Cannas, King Humbert, producing large flowers of a beautiful shade of yellow, lightly spotted red, with green foliage. 5 to 6 clusters of flowers at a time.



King Humbert.

Ross' Approved Giant Dahlias

Nature's Crowning Beauty for the Garden

All Dahlias sent postpaid at prices quoted.

New Decorative Dahlias for 1934

HARRIET THOMPSON. A brilliant orange-buff with reverse of Oriental-red. Each, 75c.

J. K. ALEXANDER, JR. The largest crimson-red Hybrid Decorative ever offered, having a fleck of orange in the center of each petal. It flowers on top of the stem and after the crotch flower is cut will bloom 12 to 14 inches in diameter without disbudding, and never shows a center. For exhibition, it has no equal. Try it—it is the best crimson Dahlia you ever saw. Each, \$3.00.

MRS. J. K. ALEXANDER. The best clear buttercup-yellow Dahlia ever introduced; a 14- to 16-inch flower. It has everything in a Dahlia; free flowering, long stems, but the stem is a little weak for such a noble great flower. If you are interested in a REAL Dahlia, try one of these in your collection this season and you will win first prize in any competition. Each, \$5.00.

MRS. R. T. EDWARDS. A deep lavender, streaked with crimson-pink. A large, fine flower. Each, 50c; doz., \$5.00.

SALEM PRIDE. Rhodamine-purple and flecked white. Each, 75c.

SPIRIT OF ST. LOUIS. A deep crimson-purple. Each, 50c; doz., \$5.00.

THE SURPRISE. A deep rose shade, with long stems. Each, 35c; doz., \$3.50.

Giant flowering Dahlias of recent introduction, some of the best Decoratives grown.

ALMA ALEXANDER. Deep orange. Each, 25c; doz., \$2.50.

BASHFUL GIANT. Apricot with golden shadings. Each, 20c; doz., \$2.00.

CHARLOTTE ALEXANDER. White, with a slight veining of purple on the flat, broad petals. Each, 50c; doz., \$5.00.

EASTERN STAR. Saffron-yellow. Each, 50c; doz., \$5.00.

ELEANOR GRANT. Almost white. Each, 25c; doz., \$2.50.

GILDA GRAY. Pure lilac color shading to deep Tyrian rose. Each, 50c; doz., \$5.00.

IDA PERKINS. Beautiful white. Each, 50c; doz., \$5.00.

IDA TARBELL. A very large deep crimson. Each, 50c; doz., \$5.00.

JACQUES FUTRELLE. Light greenish yellow. Each, 35c; doz., \$3.50.

JERSEY'S BEACON. Chinese scarlet. Each, 25c; doz., \$2.50.

JERSEY'S IDEAL. A lavender-pink. Each, 25c; doz., \$2.50.

KATHLEEN NORRIS. A true rose-pink. Each, 75c.

MARGARET K. ALEXANDER. Buff-yellow. Each, 50c; doz., \$5.00.

MARGARET WOODROW WILSON. An opalescent pink. Each, 25c; doz., \$2.50.

PRIDE OF STRATFORD. Cadmium-orange. Each, 25c; doz., \$2.50.

ROMAN EAGLE. Burnished copper. Each, 25c; doz., \$2.50.

ROSE ALEXANDER. A deep chrome-orange with every petal tipped white. Each, 50c; doz., \$5.00.

SOMERSET. Salmon and old gold. Each, 25c; doz., \$2.50.

YANKEE KING. A strawberry-pink. Each, 50c; doz., \$5.00.

Cactus Dahlias

ANDREAS HOFER. Light pink. Each, 35c; doz., \$3.50.

CHEMAR'S MASTERPIECE. Orchid-pink. Each, 50c; doz., \$5.00.

FLYING AMBASSADOR. White. Each, 35c; doz., \$3.50.

MRS. C. B. BENEDICT. A clear light yellow. Each, 25c; doz., \$2.50.

ROYCROFT. A golden bronze. Each, 50c; doz., \$5.00.

SAMUEL T. ALEXANDER. Japan rose. Each, 75c.



Show and Fancy Dahlias

A. D. LIVONI. Beautiful soft pink. Each, 20c; doz., \$2.00.

D. M. MOORE. "Nearly black" deep maroon. Each, 25c; doz., \$2.50.

IMPERIAL. Deep purplish maroon. Each, 20c; doz., \$2.00.

MAUDE ADAMS. A pure snowy white, very effectively overlaid clear delicate pink. Each, 20c; doz., \$2.00.

MAYOR DUNN. A beautiful clear scarlet. Each, 20c; doz., \$2.00.

Pompon Dahlias

AMBER QUEEN. Rich, clear amber, shaded apricot.

GOLDEN QUEEN. The most perfect yellow Pompon to date.

PRINCE CHARMING. Cream, tipped purple.

RAPHAEL. Very dark maroon.

Pompon Dahlias: Each, 20c; doz., \$2.00.

Mixed Dahlias

Postpaid, \$1.00 per doz.; by express, 90c per doz.; \$6.00 per 100. These include some of our best varieties, those of which labels have been lost, and at times varieties of which we have a surplus.

Japanese Lilies

Postpaid.

AURATUM (Golden Banded Lily). Enormous, measuring frequently 8 to 12 inches across; pure white, spotted crimson, each petal marked in the center with a band of yellow. Flowers in August; delightfully fragrant. Each, 25c; doz., \$2.50.

SPECIOSUM ALBUM. The best late flowering pure white, hardy garden Lily; of easy culture. The graceful stems and foliage are set off to wonderful advantage by the pure white blooms. Each, 25c; doz., \$2.50.

SPECIOSUM RUBRUM, OR ROSEUM. Delicate pink, almost white, spotted red; one of the old garden favorites. Height 3 feet. Flowers in August and September. Each, 25c; doz., \$2.50.

Regal Lily (*Lilium Myriophyllum*)

Postpaid.

It is a pure, waxy white, with a lemon-yellow throat and a trumpet about 6 inches long, and when the flower is fully developed it is about 7 inches across; 2 to 2½ inches in diameter, each, 35c; doz., \$3.50. Smaller size flowering bulbs, each, 25c; doz., \$2.50.

Tuberose

Bulbs may be started in the house for early flowers, or they may be planted in the open border, but not earlier than June in this latitude.

EXCELSIOR DWARF PEARL. Improved strain; plant of dwarf habit; blooms earlier and flowers are more double than old strain. Extra large bulbs, postpaid, 10c each; 3 for 25c; doz., 90c.

Cinnamon Vine

A beautiful hardy climber of extremely rapid growth, growing the first season from 15 to 30 feet, and when the root becomes fully established, to a much greater length. The leaves are green, with tinge of bronze, and are very attractive. The flowers are white, borne in clusters, and of no great beauty, but of a delightful cinnamon-like fragrance. The vine dies at the end of the season, but the root is hardy, living for years and increasing in size and vigor each season. Postpaid, extra-large roots, each, 10c; 3 for 25c; doz., 90c.

Madeira Vine

A rapid-growing climber with beautiful, thick, glossy waxlike leaves and bearing profusely in graceful, feathery racemes white flowers which have a fragrance resembling Mignonette. Plant when ground becomes warm. Store tubers in a cold, dry place during winter. Postpaid, each, 10c; doz., 90c.

STRAWBERRY PLANTS

ABERDEEN (Per.) Berries large and bright red. Good quality. Very productive. Succeeds on any soil. This is a new variety of great promise. 100, \$1.75; 500, \$7.50.

MARSHALL (Per.). For years this berry has been considered the aristocrat of New England. Requires the best of care. Berries extremely large and of the very finest flavor. 100, \$1.75; 500, \$7.50.

HOWARD 17. (Per.). One of the best early berries, bright red color, large size, very productive and firm. 100, \$1.50; 500, \$7.00.

DUNLAP (Per.). The Universal Berry. Does well everywhere. Grown very extensively throughout the country. Fine for home use or shipping. Midseason. 100, \$1.50; 500, \$7.00.

COOPER (Per.). One of the best for wayside stands. Brings an extra price on account of its large size and handsome appearance. An excellent berry to follow early varieties and prolong the season. 100, \$1.75; 500, \$7.50.

CORSICAN (Per.). The flavor is mild, the berries extra large. One of the best. Good for home use, wayside stands or shipping. Midseason. 100, \$1.75; 500, \$7.50.

BIG JOE (Per.). Berries dark, glossy red of fine appearance. Firm, a good shipper. Fine flavor. Late. 100, \$1.75; 500, \$7.50.

WILLIAM BELT (Per.). Considered the best flavored berry grown. Bears large crops of sweet, juicy berries and does extra well the second year. An old variety, but seems to become more popular each year. Late. 100, \$1.75; 500, \$7.50.

Everbearing Varieties

CHAMPION. Fruit is large and firm, good shape and color. A fine home variety. Postpaid, 100, \$2.50; 500, \$10.00.



Regal Lily.

Begonias, Tuberous-Rooted

Desirable for shady places. Start in the house early and set plants in the open ground about the last of May. They will bloom soon and profusely and continuously until frost. Keep constantly moist. **SINGLE VARIETIES**. Dark red, yellow, white, salmon, rose, copper and mixed colors. Price, 15c each; doz., \$1.60. **DOUBLE VARIETIES**. Dark red, yellow, white, salmon, rose, copper and mixed colors. Price, 15c each; doz., \$1.60.

Annual and Perennial Climbers

- 140 Adlumia. 10 to 15 ft. P.
 - 215 Aristolochia. 15 to 20 ft. P.
 - 235 Balloon Vine. 10 to 15 ft. A.
 - 240 Beans, Scarlet. 10 to 15 ft. A.
 - 241 Beans, White. 10 to 15 ft. A.
 - 275 Canary Creeper. 10 to 15 ft. A.
 - 340 Clematis. 12 ft. P.
 - 345 Cobaea. 20 to 30 ft. P.
 - 370 Cypress Vine. 10 to 12 ft. A.
 - 433 Dolichos. 10 ft. A.
 - 537 Humulus. 10 to 20 ft. A.
 - 538 Humulus. 10 to 20 ft. P.
 - 549 to 553 Ipomoea. 15 to 30 ft. A.
 - 560 Kudzu Vine. 40 to 50 ft. P.
 - 570 Lathyrus Latifolius. 6 to 8 ft. P.
 - 635-635B Moonflower. 30 ft. A.
 - 636 Morning Glory. 8 to 10 ft. A.
 - 705 Nasturtium, Tall. A.
 - 1315 Thunbergia. 4 ft. A.
 - 1346 Wild Cucumber Vine. 15 to 20 ft. A.
- For full description, see general list of Annual or Perennial Flower Seeds.



MASTODON. The berries are very large and hold their size well. Plants set in spring begin bearing in August and bear until the ground freezes. 100, \$2.50; 500, \$10.00, postpaid.

Catalogue on potted plants mailed on request. Ready July.

General List of Fertilizers and Soil Builders

We make prompt delivery of fertilizers, insecticides, lawn grass and other materials, to all points within our suburban delivery area without additional charge.

Armour's Big Crop 5-8-7 Fertilizer

An ideal fertilizer for market gardeners and potato growers. Analysis: Nitrogen 5%, available phos. acid 8%, potash 7%. Price: Per 100 lbs. \$2.50. Get our price on larger quantities.

Armour's Big Crop 4-8-4 Fertilizer

High grade fertilizer designed for potatoes, vegetables, onions, etc. Analysis: Nitrogen 4%, available phos. acid 8%, potash 4%. Price: Per 100 lbs. \$2.00, 50 lbs. \$1.25, 25 lbs. 75c.

Adco—For Making Artificial Manure

150 lbs. of Adco converts leaves, garden refuse or other waste vegetation into 3 tons of artificial manure by a simple composting method. Home owners, vegetable growers or florists can profit by its use. 25-lb. bag \$2.00, 100 lbs. (4-25s) \$7.75.



The desirable lawn and garden top dressing and soil conditioner. The ingredients are just manure from high protein fed cows and quality peat moss functioning as a humus making material. Packed in bags weighing about 50 lbs. 3 to 3½ bushels in bulk. Per 50-lb. bag \$3.00, 5-bag lots \$2.50 per bag. Ton prices on application.

IMPORTED GROUND PEAT FOR HORTICULTURISTS. Finely ground (granulated) peat is of recognized value to the florist, gardener or nurseryman. Price: Standard bale \$3.00.

CANADIAN ASHES, HARDWOOD. Valuable for potash, destroying insects and controlling diseases. For top dressing lawns; apply at rate of 1 to 2 tons per acre. 50 lbs. \$1.25, 100 lbs. \$2.00, ton \$35.00.

AGRICULTURAL GROUND LIMESTONE. Apply at the rate of 1 ton per acre. Price: Per bag 100 lbs. \$1.00, 500 lbs. \$3.50. Ton prices on request.

AGRICULTURAL HYDRATED LIME. Price: 50-lb. bags 60c, 100 lbs. \$1.00. Ton prices on request.

CHEMICALLY HYDRATED LIME. For spraying. Price: 50-lb. bag 60c, 100 lbs. \$1.00. Ton prices on request.

CLAY'S IMPORTED FERTILIZER. Highly concentrated. Sold only in original packages. 14-lb. bag \$2.00, 28-lb. bag \$3.50, 56-lb. bag \$6.50, 112-lb. bag \$12.00.

LAND PLASTER (Gypsum). For composting and dusting. Per bag 100 lbs. \$1.50, per ton \$28.00.

CHAMPION BRAND NITRATE OF SODA. An active, quickly soluble nitrogenous fertilizer stimulating leaf growth. For lawns, leaf vegetables, tomatoes and plants showing tardy growth. Price: 5 lbs. 35c, 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00.

MURIATE OF POTASH 48%. A highly concentrated form of potash. Used in forcing vegetables and with a filler as a general fertilizer. Price: 100 lbs. \$3.50.

SULPHATE OF AMMONIA 20.56%. The most concentrated nitrogenous top dressing on the market. Price: 5 lbs. 40c, 25 lbs. \$1.10, 50 lbs. \$1.75, 100 lbs. \$3.00.

BloomAid

The complete plant food for flowers, vegetables, tubers, and bulbs, all farm crops, shrubs and trees. A highly concentrated chemical fertilizer. Put up in three forms. Tablets for potted plants and window boxes. Price: Per pkt. 25c. Liquid BloomAid to feed plants as they are watered, price 8-oz. bottle 50c. Pulverized, price 1 lb. 25c, 5 lbs. 50c, 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$4.00.

Fairway
GRASS FOOD

Prepared especially for feeding both new and established lawns and fairways. The ideal food for grass. It is a rich blend of the precise elements grass needs—a complete diet, a balanced ration. Price: 10-lb. bag 75c, 25-lb. bag \$1.50, 50-lb. bag \$2.50, 100-lb. bag \$4.00.

SULPHATE OF POTASH 48%. It is the most highly concentrated form in which this very important plant food element is obtainable. Price: 100 lbs. \$4.00.

FINE GROUND BONE. 2.47% nitrogen, 22% phosphoric acid. Price: Per 25 lbs. 90c, per 50 lbs. \$1.50, per 100 lbs. \$2.75.

TOBACCO DUST. Fine, ground; for greenhouse use this is one of the best articles for dusting all kinds of plants that are affected with insects of any kind. Per bag 100 lbs. \$5.00, 50-lb. bag \$2.75, 5 lbs. 40c.

TOBACCO STEMS. Used for fumigating, also used by some as a top dressing for fertilizer. We can furnish these in any quantity, even to carload lots. Prices: 5 lbs. 50c, 100 lbs. \$3.00.



Armour's Big Crop High Analysis Fertilizers

Cut the Cost to Grow

Nit.	APA	Pot.	Ton	100 lbs.
6%	11%	10%	\$47.40	\$3.25
2%	8%	10%	34.00	2.50
8%	16%	14%	60.60	3.75
7%	6%	6%	38.60	2.75
4%	8%	7%	35.10	2.30
4%	16%	4%	37.60	2.75
16% Acid Phosphate			21.50	1.45

Sold in 100-lb. bags only. All prices in this catalog subject to change without notice.

VIGORO

Complete plant food

Everyone knows that it is necessary to feed lawns in order to keep them green and velvety. Flowers also will not reach their greatest beauty nor vegetables their largest size and best quality unless supplied with proper moisture and plant food.

Vigoro is a scientifically prepared and properly balanced plant food which has been used with excellent results.

PRICE:

12-oz. pkg.	\$0.10
5-lb. pkg.	.50
10-lb. pkg.	.85
25-lb. bag	1.60
50-lb. bag	2.75
100-lb. bag	4.50



LOMA For Beautiful Lawns

Loma, the scientifically prepared plant food, will give you results that are startling. Lawns velvety green; flowering plants sturdy full-bloomed and tall; vegetables such as you have never had before. Loma is rich in nitrogen. Agricultural experts will tell you that this is the most vital plant food. Loma works quickly. In a week's time you can see the difference in your lawn.

1-lb. canister for indoor plants	\$0.10
5-lb. carton, enough for 10 ft. x 10 ft.	.50
10-lb. bag, enough for 10 ft. x 20 ft.	.85
25-lb. bag, enough for 20 ft. x 25 ft.	1.60
50-lb. bag, enough for 25 x 40 ft.	2.75
100-lb. bag, enough for 40 x 50 ft.	4.50

General List of Fertilizers and Soil Builders

STIM-U-PLANT

PLANT STIMULANT TABLET

Is rich in plant food, containing 11 per cent nitrogen, 12 per cent phosphoric acid and 15 per cent potash, odorless and clean. Increases production, brightens color, improves quality. Simply insert a tablet in the soil near each plant (1 ft. apart if in rows), once or twice during season. Or, dissolving four tablets per gallon of water is less trouble and gives better results than the objectionable manure water. Complete directions with every package. Price: Postpaid, 30 tablets 25c, 100 tablets 75c, 1000 tablets in bucket \$3.50.

Groz-It Brand Pulverized Sheep Manure

For Market Gardeners and Specially Recommended for Lawns.

Will not burn your plants, regardless of quantities used. Highly concentrated. Can be used safely at the rate of 50 lbs. per 1000 sq. ft. or as a general fertilizer for all crops from 1000 to 2000 lbs. per acre. It makes the richest and safest liquid manure, using 1 lb. to 5 gallons of water. Prices: 5 lbs. 30c, 10 lbs. 50c, 25-lb. bag \$1.00, 50-lb. bag \$1.75, 100-lb. bag \$3.00, ton (2000 lbs.) \$50.00.

Premier Poultry Manure

PULVERIZED POULTRY MANURE—NATURE'S BEST PLANT FOOD

Processed Poultry Manure is one of the safest and most reliable forms of plant food that can be applied to soil and will not burn or injure the most delicate and tender vegetation if used in reasonable amounts. Last, but not least, it possesses a bulk that adds available humus forming material to the soil, and the plant food is not readily lost by leaching.

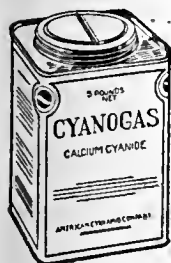
GUARANTEED ANALYSIS

Nitrogen	4.93%
Equivalent to ammonia	6.00%
Total phosphoric acid	2.75%
Available phosphoric acid	2.50%
Potash as K ₂ O	1.30%

Prices: 5-lb. bag 30c, 10-lb. bag 50c, 25-lb. bag \$1.00, 50-lb. bag \$1.75, 100-lb. bag \$3.00, ton (2000 lbs.) \$50.00. Special prices in larger quantities.

Remedies for Insects, Fungus, Etc.

CYANOGEN



The ideal fumigant for greenhouses is CYANOGEN G—Fumigant.

CYANOGEN A—DUST is certain death to woodchucks, rats, moles and ants.

For Woodchucks: Place a heaping tablespoonful well into the burrow and close carefully.

Rats: Plug all rat holes that can be located except one and blow in A—Dust with a Cyanogen Duster. Plug remaining hole.

Moles: Open runway every 5 feet and place in heaping tablespoonful.

PRICES:

1-lb. tin, A only	\$ 0.75
5-lb. tin	3.00
25-lb. tin	10.00



ANTROL

Kills Ants in the Nest

New Methods "Gets" Them at Their Source—Safe, Permanent, Effective.

The Antrol system is adapted to any size house or garden, and quickly destroys all species of sweet-eating ants. It is composed of small glass containers partially filled with special syrup and placed about the outside edges of the house or along ant "trails" in the garden. The ants smell the syrup, eat it, and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed. The complete system should cover every fifteen feet around the outside of the house or ant "trails" in the garden. Once installed, permanent, effective, and safe protection is insured from these annoying pests.

Prices: Antrol sets containing 4 containers and 1 4-oz. bottle of syrup 75c. Antrol extra containers, each, 10c. Antrol syrup, 4-oz. bottles 35c, pints 85c, gallons, \$3.50. Ready filled sets (4 filled containers in set) 50c.

Stanley's Crow Repellent

The most effective way to prevent crows and other birds from pulling corn is to treat the seed with something that is repellent to them. Stanley's Crow Repellent is excellent for this purpose. The material is non-poisonous, easy to apply, will not injure seed of any kind and will not clog any planter. Directions for treating seed on each can.

Small can 60c (enough for 1 bu. of corn). Large can \$1.00 (enough for 2 bus. of corn). Mailing weight, each 2 lbs.

Crow-Fez

Crow-Fez for use on seed corn gives the surest protection against corn pests. It protects corn during the period when it is most easily damaged, by ridding your fields of crows and other corn pulling birds and rodents. It also helps seed rot and hastens germination.

1/2-pint can (enough for 1 bushel)	\$0.50
1-pint can (enough for 2 bushels) .....	.75
1-quart can (enough for 4 bushels)	1.25

Postage 10c extra.

NICO-FUME TOBACCO POWDER. For fumigating greenhouses for aphids and thrips, etc. It burns evenly and quickly. 1 lb. \$1.00, 5 lbs. \$3.35, 10 lbs. \$5.85.

NICO-FUME LIQUID. An effective vaporizing liquid. 1 lb. \$2.25, 4 lbs. \$5.75, 8 lbs. \$10.00.



The National Pest Control

Packed in convenient packages ready for use.

1 1/2 lbs. 35c, 4 lbs. 85c, 15 lbs., \$3.00; 50-lb. bags, \$8.00.

SNAROL is a meal (ready for use) that you simply sprinkle under shrubs and around flowers. It will destroy snails, slugs, cutworms, sow bugs, earwigs, grasshoppers, etc. It can be used without danger to vegetation, and water will not lessen its effectiveness.



Insectrogen for Roses and Other Plants

Kills Most Leaf-Eating Insects.

4 ounces	\$0.60
1/2 pint	1.00
Pint	1.75

Aphistrogen

Kills Aphis (Plant Lice).

2 ounces	\$0.50
1/2 pound	1.25
1 pound	2.25

Fungtrogen

For Mildew and Black Spots on Roses.

4 ounces	\$0.45
1/2 pint .....	.75
Pint	1.25
Quart	2.00
Gallon	6.00

Terogen

Autumn-Winter Ground Dressing and Soil Disinfectant. Destroys the spores of fungi of most diseases. Kills the larvae of insects, such as rose-pith, borer, rose bugs, Japanese beetles, aphids and ants. A valuable fertilizer. Prices: 1-lb. tins 75c, 2-lb. tins \$1.25, 5-lb. tins \$2.75.



Bug Death

Reliable powder insecticide, contains no Arsenic or Paris Green. Effective against leaf-eating bugs and worms. 1-lb. pkg. 25c, 5-lb. pkg. 75c; 12 1/2-lb. pkg. \$1.50, 100-lb. pkg. \$9.50.

Remedies for Insects, Fungus, Etc.

COAL TAR. For tarring corn to prevent crows from pulling it. 1/2 pt. 15c, 1 pt. 20c, qt. 30c. Shipping weight 2 lbs. and 4 lbs.

CREOSOTE FOR GYPSY MOTHS. For the destruction of the eggs of gypsy moth. Qt. 50c. Shipping weight 3 lbs. Gal. \$1.25, weight 9 lbs. 5-gal. can \$4.50.

Kalco

KALCO CALCIUM CASEINATE acts as a cohesion neutralizer. Kalco destroys the tendency toward cohesion and causes the material to spread evenly. Kalco Calcium Caseinate acts as a spreader and adhesive for spray materials. 2 lbs. 36c, 100 lbs. \$16.00.

DRY ARSENATE OF LEAD. The trade seems to demand this in the dry state as it has so many advantages over the paste. The dry will keep forever, is less bulky, does not freeze and spoil. 1-lb. bag 25c, 4-lb. bag 80c. Get our prices on large quantities.

Black Leaf 40

(Nicotine Sulphate, Nicotine 40 Per Cent).

BLACK LEAF 40 is the best known remedy for potato lice, thrips, leaf hoppers, etc., and other similar insects. Use about 1 to 1000 or 1 oz. will make 6 gallons of solution. 1 oz. 35c; 5 ozs. \$1.00; 1 lb. \$2.25, 2 lbs. \$3.25, 5 lbs. \$5.85, 10 lbs. \$9.85, 50-lb. drum \$37.50.

Tree Tanglefoot

A safeguard against gypsy, brown-tail and tussock moth, canker worm, ants and all creeping things. 1-lb. can 60c, 5-lb. can \$2.75, 10-lb. can \$5.25, 25-lb. pail \$11.00.

DRY BORDEAUX POWDER. For preventing blight on grapes, potatoes and other crops that are subject to rust, mildew and black rot; applied dry with bellows. Lb. 25c, 4-lb. bag 80c.

GRAFTING WAX. Prices: 1/4 lb. 20c; 1/2 lb. 30c, lb. 50c.

HELLEBORE. Sure death to the currant worm. Lb. 50c, 1/2 lb. 30c.

ATLAS "A" WEED KILLER kills grass and weeds of every kind on roadways, gutters, tennis courts, etc. 1 qt. 50c, 1 gal. \$1.00, 5 gals. \$3.75, 50-gal. drum \$30.00.

IN-A-MINUTE. Will destroy bugs, roaches and similar vermin. Used for cleaning clothing, ink stains, etc. Price: 14-oz. bottle 50c.

LIME-SULPHUR. Used for the same purpose and has the same effectiveness as the liquid form and is much easier to handle. 1-lb. cans 30c, 5-lb. cans \$1.25, 10-lb. cans \$2.25, 25 lbs. \$3.75, 100 lbs. \$11.00, 200 lbs. \$10.00 per 100.

CONCENTRATED LIQUID LIME-SULPHUR kills San Jose Scale, Oyster Shell, etc. An easily prepared spray which should be applied to trees any time between the autumn falling of leaves and the spring budding. It destroys growths injurious to the tree without in any way harming the tree itself. Simply dilute with water and apply. 1 gallon of Lime Sulphur makes 10 gallons of spray. 1 qt. 45c, weight 3 lbs.; 1 gal. \$1.00, weight 12 lbs.; 5 gals. \$3.25. 50-gal. barrel, price on application.

NEW EVER GREEN. Effective against cutworms, cucumber beetles, cabbage worms, rose slugs, aphids, thrip, etc. Will not injure tender plants or roses. It is safe to use because it is a non-poisonous material. 1-oz. bottle 35c, 6 ozs. \$1.00, 16 ozs. \$2.00, 1 gal. \$12.00.

FORMALDEHYDE. Prevents potato diseases and insures a big, healthy crop. 1 lb. 45c.

PARIS GREEN. A poisonous, insoluble powder, for preventing the ravages of potato-bugs, codling moth, caterpillars, slugs and bugs. Mix 1 pound to 100 pounds of plaster, or 200 gallons of water. Lb. 50c, 1/2 lb. 30c, 1/4 lb. 20c.

PINE TAR. Used in the stable for cuts and bruises. 1/2 pt. 20c, pt. 30c, qt. 40c.

SEMESAN. The Modern Seed Disinfectant for all agricultural purposes. Full directions with each can. Circulars mailed upon application. 2-oz. can 50c, 1-lb. can \$2.75, 5 lbs. \$13.00.

SEMESAN JR. For sweet and field corn diseases. 4 ozs. 40c, 1-lb. tins \$1.50, 5 lbs. \$7.00.

SEMESAN BEL. For bulbs, roots and tubers. 4 ozs. 50c, 1-lb. tins \$1.75, 5 lbs. \$8.00. Semesan being a poisonous disinfectant is not available.

TOBACCO DUST. In 1-lb. package for dusting plants for lice, etc. 1 lb. 20c, 5 lbs. 40c.

FISH OIL SOAP. For destroying insects on plants, etc. Lb. 35c, 5-lb. pail \$1.50.

SLUG SHOT. A fine powder used for potato bugs and other insects. Recommended for cabbage worms. 5-lb. package \$1.00, 1-lb. pkg. 25c.

GRAPE DUST. A readily diffusible, light weight powder Fungicide, very efficient in destroying Powdery Mildews and in preventing Blights in greenhouses or in the open. Price: 5-lb. pkg. \$1.50, 1-lb. pkg. 40c.

CARBOLINEUM. Of the numerous preservative compounds on the market Carbolineum stands alone as time-tried and thoroughly tested. Gallon can \$1.50, weight 11 lbs. 5-gal. can \$7.00.



RED ARROW INSECT SPRAY. Effective and non-poisonous. Will not stain or injure tender flowers. A contact spray that will kill both sucking and chewing insects.

1-oz. bottle 35c, 1/4 pt. \$1.00, 1/2 pt. \$1.75, 1 pt. \$3.25, 1 qt. \$6.00.

Dolge Weed Killer

A minute a day keeps the weeds away.

Kills all growth on Tennis Courts, Walks and Drives. Destroys Ivy, etc., on walls, fences and court yards.

1-qt. can (enough for 10 gals.)	\$ 0.60
1-gal. can (enough for 40 gals.)	1.75
5-gal. can (enough for 200 gals.)	8.00
10-gal. can (enough for 400 gals.)	14.00
30-gal. bbl. (enough for 1200 gals.)	33.00
55-gal. bbl. (enough for 2000 gals.)	48.95

Sunoco Self-Emulsifying Spray

For scale insects, aphids and red mite on apple trees. The ideal petroleum spray is an oil that will form a perfect and permanent mixture with water. The most distinctive characteristic of SUNOCO SPRAY is that it forms a perfect, permanent emulsion and will carry to every recess and cavity of bark or foliage in which the insect pests choose to harbor.

50-gallon steel drums, per gallon	\$0.38
30-gallon steel drums, per gallon	.46
15-gallon steel drums, per gallon	.55
5-gallon can, per gallon	1.00
1-gallon can, per gallon	1.25

SCALECIDE. The quality miscible oil. Dormant spray for trees, shrubs and vines. Used by leading fruit growers. Kills scale, insects, eggs, larvae and disease cankers and fungous spores wintering on the plant. Mixes instantly—dilute 1 to 15. 1 qt., weight 3 lbs., 60c; 1 gal., weight 9 lbs., \$1.40; 5 gals. \$4.90; 10 gals. \$8.50; 15 gals. \$12.00; 30 gals. \$19.00; 50 gals., \$26.50.

SULFOCIDE. A concentrated liquid sulphur fungicide. Used on both apples and peaches and all kinds of fruits, vegetables and flowers. Controls apple scab, brown rot of peaches, plums and cherries, blight and rot of potatoes, tomatoes, and melons. Used for mildew and rust on flowers and shrubs. Prices: 1 pt. 50c, 1 qt. 85c, 1 gal. \$2.25; 5 gals. \$7.50, 10 gals. \$13.50, 15 gals. \$18.50, 30 gals. \$33.00, 50 gals. \$50.00. Packages not returnable.



Thalate Ant Traps

This is the simplest, safest and most effective trap available. Each trap has a maximum killing power of 20 lbs. of ants, each25c

Topzol Rat Baits

Kills rats and mice only. Safe, economical and simple to use. Pkg.15c

Remedies for Insects, Rodents, Fungus, Etc.

WILSON'S O. K. PLANT SPRAY. An excellent general contact spray for garden or greenhouse. Dilute 1 qt. to 10 gals. water. Kills Aphis, Thrip, Red Spider, Lace Wing Fly on Rhododendrons, Box Mite, Currant Worms, etc. Prices: 1/2 pt. 40c, 1 qt. \$1.00, 1 gal. \$3.00, 5 gals. \$12.00.

Pyrox

PYROX. Mix 1 pound to 5 gallons of cold water. Safe all-round spray for killing leaf-eating insects; prevents blight and fungous troubles on potatoes, vegetables, roses, fruit trees, etc.

PRICES:

1-lb. jar	\$ 0.50
5-lb. drum	1.75
10-lb. drum	3.00
25-lb. drum	5.00
50-lb. drum	7.25
100-lb. keg	12.50
300-lb. barrel	30.00

NICOTINE PYROX is the standard Pyrox with nicotine added to control sucking insects as well as the chewing insects and blight. A complete spray.

10-oz. jar	\$0.50
40-oz. drum	1.25
5-lb. drum	1.75
10-lb. drum	3.00

ATLACIDE

CHLORATE WEED KILLER

Kills Poison Ivy and Other Weeds.

1-lb. sifter top can	\$0.50
3 1/2-lb. sifter top can	1.50
15-lb. drum	3.50
50-lb. drum, per lb. ....	.14
100-lb. drum, per lb. ....	.13 1/2
200-lb. drum, per lb. ....	.13

K-R-O

KILLS-RATS-ONLY

Will rid your premises without endangering your pets, livestock, poultry, etc. Harmless to animals other than rats and mice. Price: 2 ozs. 75c, postpaid 80c; 4 ozs. \$1.25, postpaid \$1.35. Farm size price: \$2.00, postpaid \$2.10. K-R-O Ready Mixed \$1.00, postpaid \$1.10.



Tanglefoot Fly Spray

Destroys flies, fleas, mosquitoes, bed bugs, wasps, spiders, moths, roaches, and ants, as well as certain other insects that infest houses, stores, etc. 1/2 pt., weight 1 lb., 35c; 1 pt., weight 2 lbs., 65c; 1 qt., weight 3 lbs., \$1.00; 4 qts., weight 9 lbs., \$3.00.

K-O FLY SPRAY for Cattle. Contains no tar, refuse or heavy dark oils. Will not taint milk when used as directed. Price: Per gallon \$1.50, weight 9 lbs.

KALITE

A quick-killing dust for most chewing insects, as Beetles, Worms, Caterpillars, including Cucumber Beetles, Mexican Bean Beetles, Cabbage and Tomato Worms, Blister Beetles, Flea Beetles. 1-lb. can 35c, 3 1/4-lb. can \$1.00.

KALO SPRAY

Used as a wet spray for same insects as KALITE. Also Codling Moth, Oriental Fruit Moth, Curculio. Safe to use and safe for foliage. 1/2-lb. can 35c, 4-lb. bag 90c.

KALOIL

A non-poisonous spray for most insects. An economical pyrethrum contact spray. For sucking insects such as Aphis (plant lice), Leaf Hoppers, Mites, Thrips, White Flies. 1 1/2-oz. can 35c, 6 ozs. \$1.00, 32 ozs. \$3.50.

KALITE and KALOIL are mailable.



Pomo-Green

With Nicotine

The Leaf Green ALL-IN-ONE
Dust or Spray

A single all-purpose dust and spray which we can recommend. Because of its color it is practically invisible. Effective against both chewing and sucking insects (Aphis) and will positively control most of the diseases of flowering plants and shrubs. Highest rating given in tests conducted by American Rose Society.

PRICE:

1-lb. can	\$0.75
5-lb. can	3.00



NIAGARA COPODUST. The New, Exclusive Niagara Copper Lime Fungicide for potatoes and other field crops. Per 100-lb. drum \$6.95.

NIAGARA COPOTEX. The New, Exclusive Niagara Copper Lime Dust for field crops, with poison added, for potato bugs, etc. Per 100-lb. drum \$9.15.

NIAGARA VITIDUST. The Standard Copper Lime and Poison Dust for apples and grapes, used to control disease and chewing insects. Per 100-lb. drum \$7.50.

NIAGARA D-18. The Standard Copper Lime and Poison Dust used to control potato bugs and diseases on all truck crops. Per 100-lb. drum \$8.00.

NIAGARA D-25. The Standard Copper Lime Dust, used for the control of diseases only, on potato and truck crops. Per 100-lb. drum \$6.40.

NIAGARA A-1 NICOTINE DUST. The Standard Contact Dust, used to control sucking insects, aphids, red bugs, pear psylla, etc. Per 100-lb. drum \$11.50.

For small quantities of the four above materials add \$1.30 per 100 lbs. for 50-lb. drums, and \$2.30 per 100 lbs. for 25-lb. drums.

NIAGARA KOLODUST. The New Exclusive NIAGARA Dust that "sticks through rain and wind." This is a fungicide only, used in the control of diseases on fruit and flowering plants. Per 100-lb. bag \$5.20.

NIAGARA KOLOTEX. The New Exclusive NIAGARA Sulphur and Poison Dust that "sticks through rain and wind." This is a fungicide and stomach poison combined, used for the control of codling moth, strawberry weevil and diseases on apples, pears, etc. Per 100-lb. bag \$6.75.

NIAGARA KOLOKIL. The New Exclusive NIAGARA Sulphur and Poison Dust containing extra large percentage of Arsenate of Lead. This material is used wherever extra heavy ravages of chewing insects prevail; also in controlling such diseases as may be present. Per 100-lb. bag \$7.35.

Niagara Duo-Bordo

Consists of lime and bluestone all weighed out in 5-lb. bags for making fresh Bordeaux Mixture instantaneously right in the spray tank. A package each of chemical lime and finely ground bluestone so processed as to be instantly soluble. Directions for mixing on packages. Makes a real Bordeaux Mixture—every membrane gelatinous. Ask for circular. Packed in 50-lb. cartons—consisting of 5 bags of bluestone and 5 bags of lime—enough for 250 gals. spray. Price: Per 50-lb. carton \$4.00.

Niagara Koloform

This exclusive Niagara summer sulphur spray is used for summer applications on Peaches and late applications on Apples. Carton contains eight 7 1/2-lb. bags. 60-lb. carton \$3.85, 7 1/2-lb. bag 65c.

Niagara Kolofog

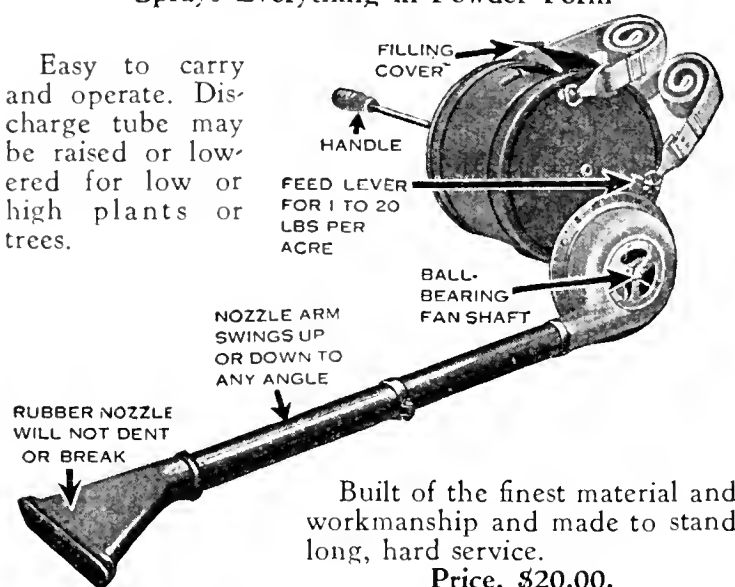
The last word in sulphur fungicides. A colloidal sulphur for use on Apples and Peaches, replacing lime sulphur in all sprays following dormant or delayed dormant. Will not russet fruit or burn foliage. Best carrier for Arsenate of Lead. Use 6 lbs. per 100 gallons of water. Price: 48-lb. carton (8 6-lb. bags) \$4.75, 6-lb. bag 75c.

Dusting Machines and Equipment

Savage Duster

Sprays Everything in Powder Form

Easy to carry and operate. Discharge tube may be raised or lowered for low or high plants or trees.



Built of the finest material and workmanship and made to stand long, hard service.

Price, \$20.00.

Niagara Dusters

The NIAGARA Dri-Fog Crop Duster, 4-row, 8-nozzle. Price, f. o. b. factory, \$232.00.

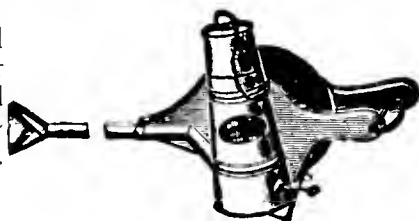
Dusts at the rate of 30 to 35 acres per 10-hour day. It will deliver from 3 lbs. to 100 lbs. of dust per acre and distribute it absolutely accurately on each of the four rows.

Niagara Model F. Fruit Duster

One man can dust 50 acres mature trees from both sides in ten hours. Price f. o. b. factory, \$475.00.

Platz Famous Hand Duster

Its agitator will crush and sift sulphur as well as the standard dusting materials. Capacity, one pound. Price, \$6.00.



Platz Green Hand Duster

Not illustrated.

Price, \$7.00.

The Peerless Duster

Adaptable for dusting all ground crops and small fruit trees. With complete set of interchangeable parts and with the metal flexible joints a set-up can easily be made for any job. Designed for fighting the Mexican Bean Beetle and other insects that feed and multiply on the underside of the leaf where they are exceedingly difficult to reach, particularly on potatoes, tomatoes, melons, peas and other vines. Price, \$22.50.

Acme Powder Gun

A simple, practical implement for the extermination of potato-bugs and all kinds of insects, flies, etc.; the pests of home and garden. Price \$1.50. Mailing weight 4 lbs.

Insecticides and Fungicides

PYROTE (Mechling's). Double acting concentrated insect spray for flowers, plants, fruits and vegetables. Harmless to humans and animals. Does not injure vegetation. Pyrote is a proper combination of pyrethrum and Rotenone with a neutral soap spreader. Kills chewing and sucking insects such as aphids, beetles, worms, etc. 1-oz. bottle, 35c; 6-oz. bottle, \$1.00; 1-pt. can, \$2.00; 1-qt. can, \$3.50; 1-gal. can, \$12.00.

MAGNESIUM ARSENATE (Mechling's). Used extensively for control of Mexican Bean Beetle. 2-lb. bag, 60c; case of 20 2-lb. bags, 50c per bag; 100-lb. drum, \$24.00.

MEXICAN BEAN BEETLE DESTROYER (Mechling's). Contains Magnesium Arsenate. Dust or spray. Effective control of Mexican Bean Beetle. A wonderful, smooth powder that can be dusted on plants or quickly made into a wet spray by the addition of water. 1-lb. can, 35c; 4-lb. can, 75c.

KLEENUP. A very safe and most dependable dormant oil spray. It is a creamy oil emulsion that mixes readily with water.

54-gal. drum	\$15.50
30-gal. drum	10.00
14-gal. drum	6.25

Chipman CUBOR
Kills Plant Insects
SAFE COMPLETE SPRAY

A non-poisonous liquid spray, kills plant insects. Contains contact and stomach insect poisons which are non-poisonous to human or animal life. 1-oz. bottle, 35c; 6-oz. bot., \$1.00; 1 pt. can, \$2.00; 1-qt. can, \$3.50.

SOILICIDE. Kills all species of ants. It is a concentrated non-poisonous emulsion. Deadly to soil insects and can be used with perfect safety on the grass. Diluted one oz. per gallon of water. Prices: 2-oz. bot., 35c; 1 pt., \$1.25; 1 qt., \$2.00; 1 gal., \$6.00.

ANTROL ANT AND ROACH POWDER
An improved fast killing powder in an attractive handy shaker can. 2-oz. can, 20c.

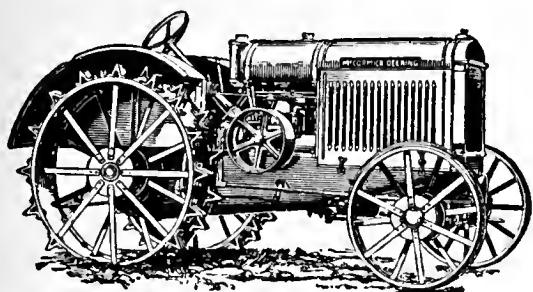
ANSUL COLLOIDAL SULPHUR. A general sulphur fungicide and contact insecticide for fruits, vegetables, flowers and ornamental shrubs and trees. ½-lb. tube, 90c; 3-lb. bot., \$2.00.



ANSUL FORMALDEHYDE DUST. For perfect control of "Damping off" diseases of flower and vegetable seedlings. Price, 1-lb. can, 75c; 5-lb. can, \$2.00.

McCormick - Deering Tractors • Plows • Harrows • Drills

Tractors



They have outstanding performance records in length of service, work accomplished, and low cost of operation in all types of farming and are now offered at new low prices. Come in and ask us all the questions you wish about these versatile profit-producing power plants. Illustrated circular on request.

PRICES:
F. O. B. Boston.

10-20	\$ 848.00
F12 Farmall	542.00
Farmall	860.00
T20 Crawler type	1535.00

Little Genius Tractor Plow No. 8

No. 8 Little Genius plows are easy to set up and easy to adjust to varying plowing conditions. They can be equipped with any standard type of bottom—all McCormick-Deering tractor plow bottoms being interchangeable on the Little Genius beams. Equipped with 2 14-inch bottom plows (general purpose) combination coulter and jointer. Price \$115.00. 5% discount for cash.

Little Wonder Tractor Plow No. 2

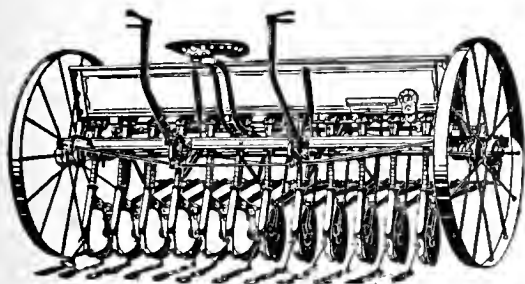
For Small Tractors.

Equipped with 2 14-inch bottom plows (general purpose) combination coulter and jointer. Weight 582 lbs. Price \$95.00. 5% discount for cash.

Tractor Disk Harrow

Built in 5, 6, 7, 8, 9, and 10-ft. sizes to fit any tractor. Prices on application.

Fertilizer Drill



A Grain Drill will decrease the quantity of seeds used and increase the yield. Price on application.

All prices in this catalog are subject to change without notice.

Two-Way Success Sulky Plow No. 1

The ideal plow for irrigated fields and for sloping or hilly land where dead furrows mean undesirable ditches.

Quick-detachable shares, 13-inch rolling coulters, 2-horse steel eveners. Price \$105.00. 5% discount for cash.

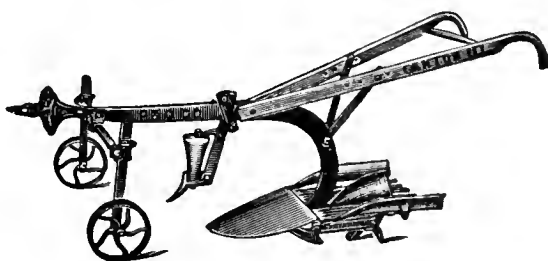
Disk Harrow

Has 12 16-inch disks and weight boxes. Very strong and durable. Weight 387 lbs. Price includes weight boxes, scrapers and 2-horse hitch. Ask for price.

Knife Grinder

Price\$5.75

No. 3 Potato Digger



By the use of two front wheels, the crushing and mutilating of potatoes is avoided. Weight 153 lbs. Price \$26.00. 5% discount for cash.

Potato Digger

McCormick-Deering Potato Digger will dig your crop quickly and economically. Less power, less labor, stronger construction, digging better potatoes that bring better prices.

These diggers get all the potatoes whole and unbruised. Regular equipment consists of vine turners, including kickers, shaker, 2 extra rollers, sprockets, wheel type truck, main wheel lugs, pole, neck-yoke and hitch. Price: No. 5 with rod link elevator, 6 ft., \$140.00. 5% discount for cash.

Chattanooga Hillside Plows

All sizes are equipped with chilled shares, one extra share shipped with each plow. Furnished in four sizes as follows:

No. 207. 1-horse, light, depth 4 in., width 8 in. with wheel, weight 65 lbs. Price \$13.25.

208. 1-horse, regular, depth 5 in., width 9 in. with wheel, weight 75 lbs. Price \$15.00.

209. 2-horse, regular, depth 6 in., width 12 in. with wheel and jointer, weight 130 lbs. Price \$25.00.

210. 2-horse, heavy, depth 7 in., width 14 in. with wheel and jointer, weight 157 lbs. Price \$31.00.

5% discount for cash.

Nos. 207, 208, and 209 come regularly equipped with solid steel moldboards. A hard steel board can be furnished on special orders.

The beam is made of 2 flat steel bars, trussed together in such a way as to form a beam that is both light and strong. The beam and handles are long, giving good leverage, both while plowing and when reversing the bottom.

Manure Spreader



This wagon style of Manure Spreader will go through gates, barn doors, stables, etc. Easy to load. Easy to haul. The best, lowest in price, most durable Manure Spreader on the market.

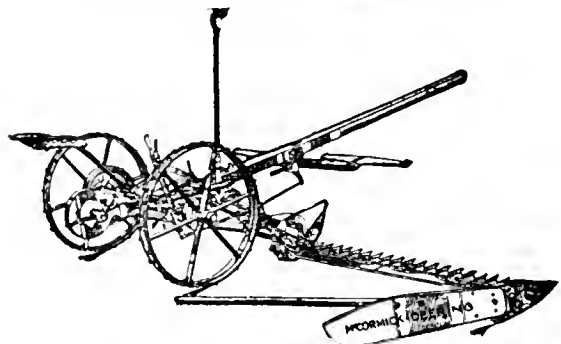
Six conveyor speeds permit placing more or less manure on certain spots as desired. The driver can instantly regulate the quantity of flow while the spreader is in operation. The short wheelbase, tracking of the front and rear wheels, and the auto-steer front truck makes the McCormick-Deering a strong, durable, light-draft spreader.

Weight 1500 lbs. Get our prices before purchasing.

Headquarters for McCormick-Deering Farm Equipment

McCormick-Deering Farm Equipment

Vertical Lift Mowers



This mower, so well known by the farmer in general, is particularly adapted for New England use. The main lifting lever is equipped with automatic locking device. Equipped with tongue, neckyoke, whiffletrees, and 2 knives.

5-ft. Vertical Lift, 725 lbs.

6-ft. Regular Lift, 800 lbs.

Ask for price.

Vertical Lift One-Horse Mower

A One-Horse Mower practical for the farmer who has small acreage of hay to cut and for the truck farmer, the poultry farmer, the man who has large premises or yards; for use in large lawns, parks, orchards, cemeteries, golf grounds, etc.

4 ft., 570 lbs. Ask for price.

Mowing Machine Knife Sections

Per box of 25 sections, \$1.40.

Section rivets, 25c per lb.

Steel Frame Rake

8 ft. 25 teeth. Price \$45.00. 5% discount for cash.

Windrow Hay Loader

A hay loader is just as essential as a side delivery rake for the economical handling of hay. It does quicker and better work and at the same time saves labor. Weight with forecarriage, 915 lbs. Ask for price.

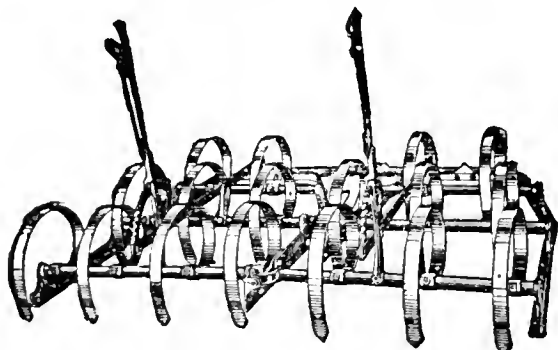
Side Rake and Tedder

Weight 940 lbs. Ask for price.

Hay Tedder

Ask for price.

Spring Tooth Harrow



A harrow made for every kind of work. It will take hold and pulverize where other makes have failed.

9-tooth, 1 horse\$17.00

15-tooth 25.00

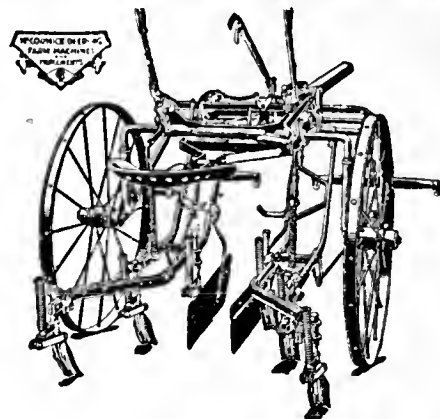
17-tooth 26.75

5% discount for cash.

Spike-Tooth Smoothing Harrow

Designed as a leveling harrow and for covering all kinds of grain and grass seed; also largely used for cultivating corn and potatoes just after they come up. Price: 60 teeth \$23.50. Weight 226 lbs. 5% discount for cash.

Pivot-axle Riding Cultivator



Equipped with 8 double-pointed shovels and trip-slotted shanks. This style is especially adapted for the Eastern States. Can be adjusted from deep to shallow work, wide and narrow cultivation, without leaving the seat. Equally good on Corn, Potatoes, Peas, Beans, etc. Weight 508 lbs. Price \$69.00.

Disc Hillers complete, extra, per pair \$4.75. 5% discount for cash.

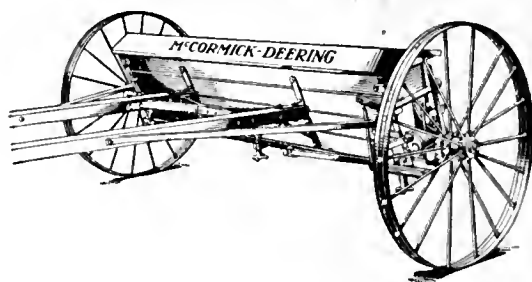
5-Tooth One-Horse Cultivator

Price \$10.50. 5% discount for cash.

Dixie Wonder Cultivator

Can be adjusted to throw the soil to the rows or away from them. An excellent soil mulcher and weed killer. With wheel \$11.00. 5% discount for cash.

Fertilizer Distributor



Distributes evenly all kinds of commercial fertilizers in large or small quantities. Limes, 10 to 2350 pounds per acre. Instantly adjustable for different fertilizers and quantities without stopping machine. It is undoubtedly the lightest draft distributor on the market, light in weight, yet strongly built. The bottoms are lead-coated to resist corrosive action of fertilizer. One man can easily remove all distributing parts, clean and reassemble them in 5 to 10 minutes time. This machine can also be used as a broadcast seeder for sowing small grains, such as wheat, oats, barley, etc.

7-ft., weight 655 lbs., \$85.00.

9-ft., weight 729 lbs., \$95.00.

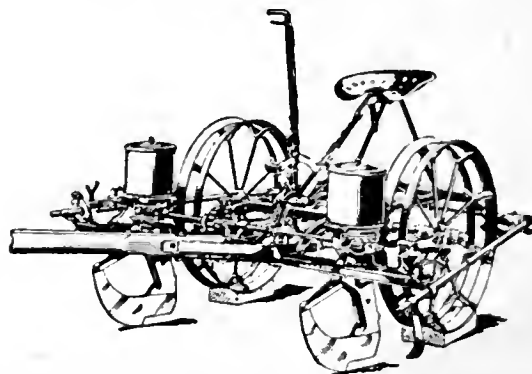
5% discount for cash.

Potato Planter

Plants a greater range of seed, both as to size and shape, than ever before and handles it with the least possible friction or wear.

List price, with fertilizer and attachments, and tongue truck wheel, \$145.00. 5% discount for cash. Weight 950 lbs.

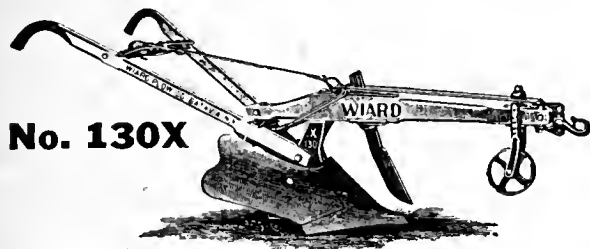
Two-Row Corn Planter



Will plant in drills or hills and is adjustable for rows from 28 to 48 inches apart. Price quoted upon application.

Garden and Farm Equipment

Wiard Swivel Plows



No. 130X

- No. 130X. Wood beam, medium 2-horse plow, steel moldboard\$29.50
 No. 140. Steel beam, medium, 2-horse plow, steel moldboard 30.50
 No. 120. Steel beam, medium, 2-horse plow, steel moldboard 34.50
 No. 126. Steel beam, heavy, 2-horse plow, steel moldboard. 35.50
 No. 22. Wood beam, light 1-horse plow, cast moldboard... 15.25
 No. 21. Wood beam, regular 1-horse plow, cast moldboard. 16.75
 5% discount for cash.

We also carry a full line of Wiard landside and contractors' plows. Prices on application.

The Wiard Reversible or Two-Way Power Sulky Plow

(Lift and trip operated by hand or foot).

With Shifting Pole, Automatic Shifting Clevis, and Adjustable Tilting Seat and Steel Wheels.

- No. 400. A 2 or 3-horse. Weight 550 lbs. Price: With chilled moldboards and point, \$106.00. Add for steel moldboards \$4.00. 5% discount for cash.

Wiard All-Wood Emperor Rake

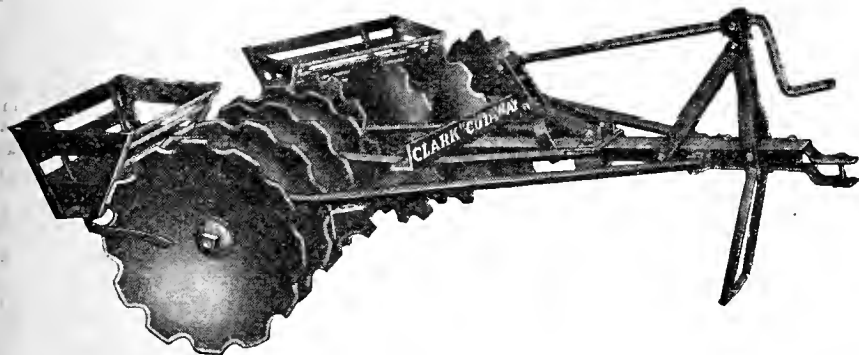
Price \$45.00.

Clark "Cutaway" Double Action Tractor Harrows

This harrow is the late model Flexible Tractor Harrow. Prices and folders on request.

- A-6. 24 16-inch discs, 6½-ft. cut, 790 lbs. rigid type. \$108.00.
 A-6. 24 16-inch discs, 6½-ft. cut, 765 lbs., flexible type. \$111.00.
 5% discount for cash.

Clark "Cutaway" Wonder Disker

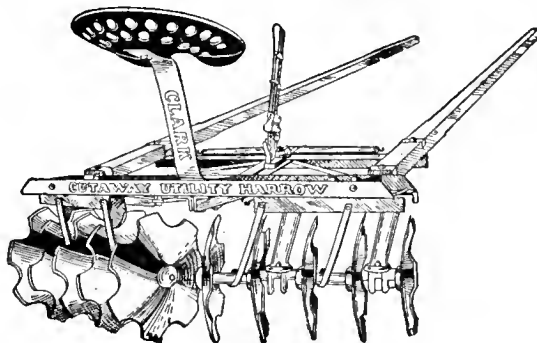


A remarkably efficient implement for subduing brush land, bog land, cleared woodland, drained swamps, etc. Ideal for thorough and economical orchard cultivation, including sod breaking and disking in cover crops. Price: 8 24-in. disks, 6-ft. cut, adjustable tractor hitch reversing irons, weight carriers, \$116.70. 5% discount for cash.

Clark One-Horse Cutaway Harrow With Shifting Levers

Weight 245 lbs. Price \$43.00. 5% discount for cash.

Clark's Utility One-Horse Cutaway Harrow



Adapted to the needs of small farmers and fruit growers. It has 10 14-inch cut-out steel discs.

No. of Discs.	Diam. of Discs.	Width of Cut.
10	14	4 ft.

Price \$36.00. 5% discount for cash.

Clark Reversible Single Action Cutaway Harrow

Like those on all other Cutaway implements, the discs on this harrow are the famous Clark cutlery steel discs forged sharp.

No. of Machine	No. of Discs.	Diam. of Discs.	Width of Cut.
A-6	12	16	6 ft.

2-H hitch. Shipping weight 315 lbs. Price \$52.00. 5% discount for cash.

No. H, One-Horse "Acme" Harrow

This style has 8 coulters, crushing shoes and seat; works 4 ft. 4 in. wide. Weight 90 lbs. Price \$23.50. 5% discount for cash.

The Acme Pulverizing Harrow

A general purpose harrow that will crush, cut, lift, turn, smooth and level the soil to perfection all in one operation. It prepares a perfect seed bed, and also covers seed in the best manner.

No. 23. Regular size, 1 and 2-horse, made in 2 sections. Price \$30.00. 5% discount for cash.

Yankee Hay Rake

24 Teeth.

This is the old reliable Yankee. It is so easy to operate that a child can handle it. Ask for price.

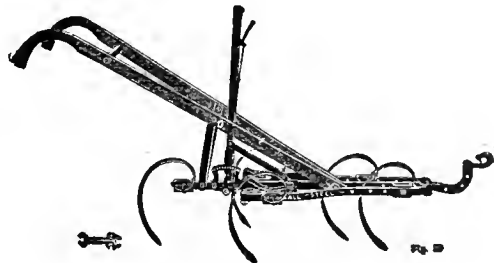
Meeker Smoothing Harrow

The discs grind all lumps very fine and mash small stones below the surface better than any field roller.

4 ft. 6 in. x 4 ft. with 8-in. disc. 175 lbs.	\$33.50
6 ft. 8 in. x 6 ft. with 8-in. discs, 200 lbs.	37.50
8 ft. x 6 ft. with 8-in. discs, 300 lbs.	47.50
6 ft. 8 in. x 6 ft. with 10-in. discs, 250 lbs.	45.00
8 ft. x 6 ft. with 10-in. discs, 350 lbs.	55.00

5% discount for cash.

Spring-Tooth Cultivators



A cultivator that is especially adapted for use in stony ground. Has five spring teeth and wheel. Price \$10.00.

7-tooth spring cultivator, \$11.25.

5% discount for cash.

Spike-Tooth Cultivator

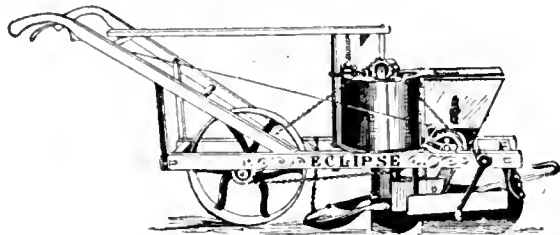
This cultivator is designed for cultivating between small fruits. Price \$9.75. 5% discount for cash.

The New England Cultivator

Heavier and more rigid than the ordinary cultivator. Equipped with the horse hoe and hilling attachment. Complete with expanding lever. Price \$17.50. 5% discount for cash.

Garden and Farm Equipment

Eclipse Corn Planter and Fertilizer Distributor



Plants field or ensilage corn, beans, peas or beet seeds in hills, drills or checks. It will drop 6, 12, 24, or 36 inches apart. Price complete, \$45.00. 5% discount for cash.

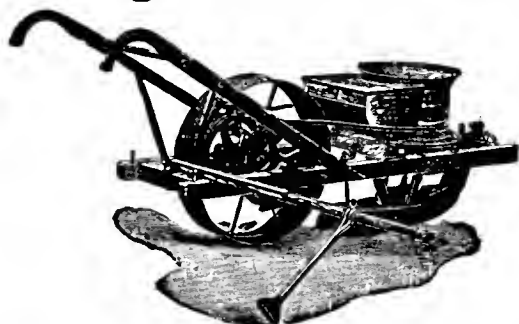
Nonpareil Fertilizer and Lime Sower

Nonpareil Sowers will distribute successfully every known kind of agricultural lime and commercial fertilizer used on the farm, providing it will pass through the screen into the hopper of the sower.

Capacity 15 bushels. Sowing swath 8 ft. Weight 435 lbs. Price \$55.00.

5-ft. orchard, 1-horse. Price \$55.00.
5% discount for cash.

"King of the Cornfield"



Corn, Pea Planter, and Fertilizer Distributor.

Does perfect work, not only in planting corn in hills or drills, but does equally as good work planting peas, beans and all similar seeds, putting in the fertilizer as well. Price \$45.00. 5% discount for cash.

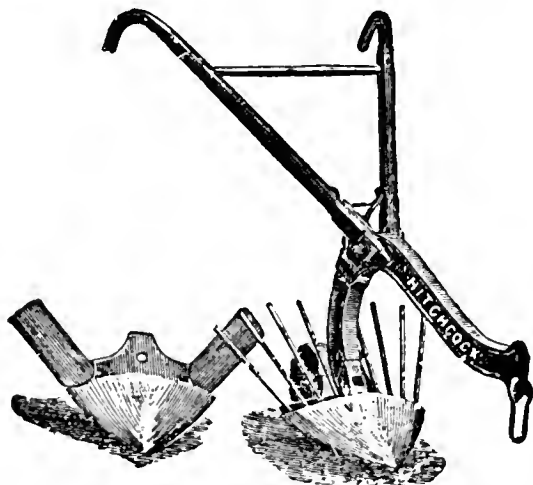
Eddy Field Marker

Marks 3 rows each trip. Light and easy to operate. Price \$16.50.

The Goslee Improved Marker

Adjustable tooth, spreads 2 to 4 ft. Price \$19.75. 5% discount for cash.

The Hitchcock Potato Digger and Shovel Plow Combined



This Potato Digger will not only dig potatoes but can also be used as a hiller by attaching the special hiller wings. Also can be used for furrowing out. You get best results by using 2 horses, allowing one to walk on each side of the row.

Price: As Digger, \$12.50.

Price: Complete with wings, \$16.50.

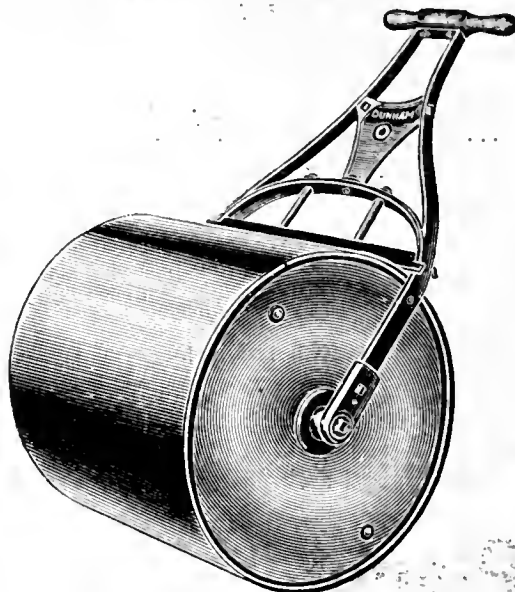
Two-Horse Steel Land Roller

Runs on hardwood oiled bearings, which can be easily renewed in case of wear. An up-to-date roller in every respect.

Price \$42.50. Less 5% for cash.

1-horse roller, 2-section, \$41.50.

Dunham Water Weight Lawn Roller



The Dunham Water Weight Lawn Roller is electric welded, making the water section one solid drum; no rivets are used.

No.	Diam. Inches	Length Inches	Sec- tions	Weight Empty	Filled with Water	Price Each
2	14	24	1	60 lbs.	175 lbs.	\$11.50
3	14	24	1	60 lbs.	175 lbs.	14.50
4	18	24	1	82 lbs.	265 lbs.	13.65
5	18	24	1	85 lbs.	265 lbs.	17.00
7	24	24	1	110 lbs.	420 lbs.	19.65
9	24	32	1	130 lbs.	565 lbs.	22.25

The Worcester Weeder

The best implement made for preparing a seed bed. Will pay for itself in one season. In cultivating corn it should be used just before the crop is up and immediately after. Destroys the weeds but does not injure the crop. Price \$16.00. 5% discount for cash.

Wood Beam Shovel Plow

Very handy for furrowing out rows and for hilling up. Price \$5.50.

Steel beam shovel plow, \$5.75.

5% discount for cash.

Automatic Hand Corn Planter

Very handy for replanting and for small gardens. Price \$2.75. Mailing weight 5 lbs.

The Segment One-Hand Corn Planter

Lightest, most accurate, strongest and most up-to-date planter on the market. Price \$2.00. Mailing weight 5 lbs.

The Worcester Horse Hoe and Hiller With Steel Wings

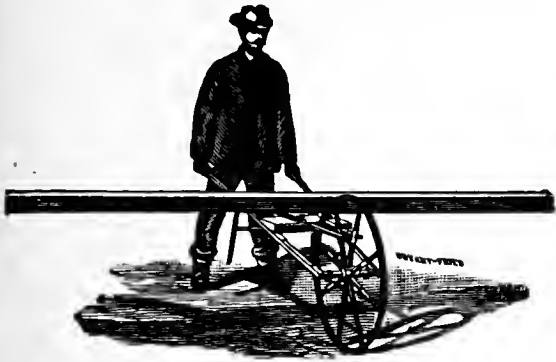
The best implement made for furrowing, covering and hilling potatoes and similar crops. All potato growers know the value of this tool and none of them attempt to get along without it. It is necessary to cover young plants completely when just out of the ground. Price \$13.00.

The Worcester Horse Hoe and Furrower with Disc Wings

The Worcester Horse Hoe and Hiller, with exception of discs, which are used in place of steel hillers or covered wings. All potato growers should have one of these two implements. Price \$15.00.

Garden and Farm Equipment

Thompson's Grass Seeders



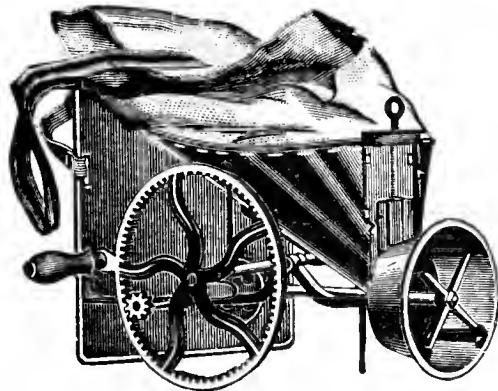
For broadcasting Grass, for sowing Red Top, Clover, Timothy, and all mixed seeds. Light, strong and simple.

SEEDER NO. 5. Sows Clover, Timothy, Hungarian Millet, Alfalfa, chaffy seeds like Red Top, Orchard Grass and Kentucky Blue Grass. Price \$15.00.

NO. 4, GRAIN SEEDER BOX. 10 feet, for sowing all kinds of grain. Fits No. 5 Seeder, and with both boxes all kinds of grain and grass seeds can be sown. Price \$10.00.

NO. 5 SEEDER AND NO. 4 GRAIN BOX. Price \$25.00.

Cahoon's Improved Broadcast Seed Sower



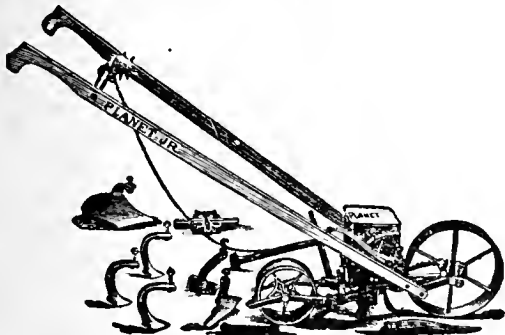
Will sow all kinds of grass and grain seeds from 4 to 8 acres per hour at a common walking gait. Heavy seeds, such as wheat, it will throw 40 feet (20 feet from each side of the operator); lighter seeds, of course, will not be thrown so far. Price \$4.25. 8 lbs.

The Cyclone Broadcast Seeder

Will sow Timothy, Clover, Wheat, Oats, Rye, Buckwheat, Hungarian, Red Top, Millet and all other grains and seeds perfectly even. Net price \$2.50. Mailing weight 2 lbs.

Planet Jr. Farm and Garden Tools

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

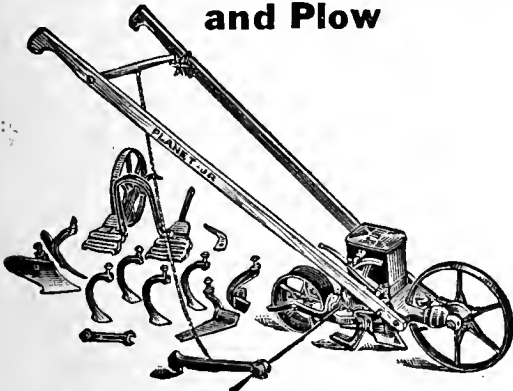


Price complete, \$16.75.

As a Seeder only (No. 4D), \$13.50.

This tool sows all garden seeds from the smallest up to peas and beans in hills, 4, 6, 8, 12, and 24 inches apart, or in drills. By removing the seeder parts and substituting the tool frame, you have a first-class single wheel hoe. Can be used successfully by men, women or growing boys.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Hoe, Cultivator and Plow



Price \$21.00. Holds 2½ quarts of seed.

A splendid combination for the family garden, onion grower, or larger gardener. It is a perfect seeder, and combined double and single wheel hoe.

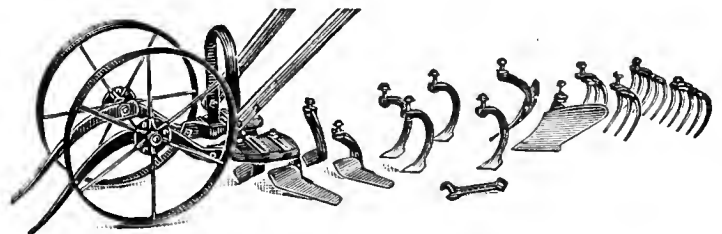
No. 3 Hill and Drill Seeder Only

Mechanical features similar to Nos. 4 and 25. Large 15-inch steel wheel and roller wheel make it particularly valuable to large grower. Capacity 3 quarts. Price \$16.50.

No. 5 Planet Jr. Hill and Drill Seeder

Price \$18.75. 16½-inch steel driving wheel. Holds 5 quarts. No. 5 is undoubtedly the best seeder we make for market gardeners. The style of construction is the same as in No. 3, the valuable mechanical features being common to both.

No. 11 Planet Jr. Combined Double and Single Wheel Hoe, Cultivator, Plow and Rake



Price with attachments as in cut, \$13.00. 14-inch steel wheels, steel frame.

A single and double wheel hoe in one. Straddles crop till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. The greatest hand-cultivating tool in the world.

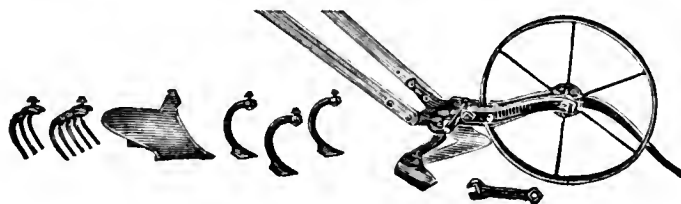
No. 12 Planet Jr. Double Wheel Hoe, Cultivator and Plow

Identical with No. 11, except that it has 1 pair plows, 1 pair hoes, 4 cultivator teeth and a pair of leaf lifters. Price only \$10.25.

No. 13 same as No. 11 but with side hoes only. Price \$7.60.

Planet Jr. Farm and Garden Tools

No. 16 Planet Jr. Single Wheel Hoe



Weight 25 lbs. Price \$8.50.

The highest type of Single Wheel Hoe made. Light, but strong and can be used by man, woman or boy. Will do all the cultivating in your garden in the easiest, quickest and best way.

NO. 17. Same as No. 16 less rakes. Price \$7.35.

NO. 17½. Less plow and rakes. Price \$6.40.

NO. 18. One pair of 6-inch hoes only. Price \$5.50.

NO. 19. GARDEN PLOW AND CULTIVATOR. Price \$4.75

No. 119 Garden Plow and Cultivator with High Wheel

Price \$3.60.

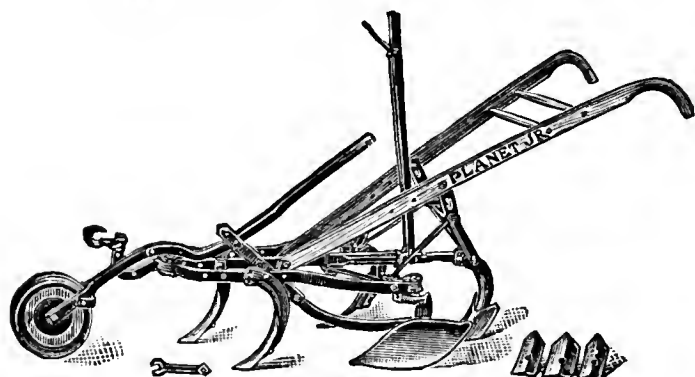
Fire Fly Garden Plow

\$4.00.

STAR CULTIVATOR, WEEDER AND PULVERIZER. Price \$2.85.

PLANET JR. NO. 2 GRASS EDGER. Price \$1.50.

No. 8 Planet Jr. Horse Hoe



Price, with steel wheel, \$14.70.

Stronger, better made and capable of a greater variety of work than any other cultivator made. Non-clogging steel wheel. Depth regulator and extra long frame make it run steady.

The No. 7 Horse Hoe is the No. 8 without the depth regulator. Price, with steel wheel, \$14.20.

No. 9 Planet Jr. Horse Hoe

Price, with steel wheel, \$12.75.

Is identical with No. 8 except that it has no depth regulator, and has a plain wheel instead of lever wheel.

Planet Jr. No. 82 Seven-Tooth Horse Hoe and Cultivator

Price \$14.25.

No. 90 Planet Jr. Harrow Complete with Wheel

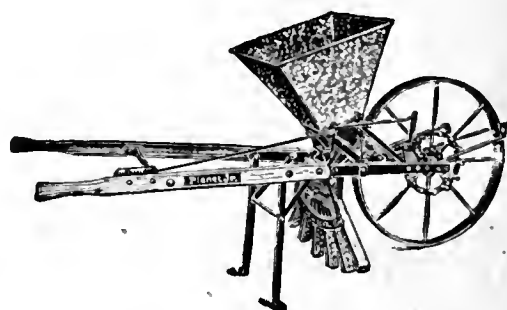
Price \$15.50.

A valuable tool in the market garden, truck and strawberry patches. Has new steel wheel which prevents clogging. Its 12 chisel-shaped teeth cut out all weeds, stir and mellow the soil and leave the ground in the finest condition without throwing dirt on plants.

NO. 90B. Without pulverizer. \$12.75.

NO. 91. With wheel. \$11.85.

Planet Jr. No. 220 Fertilizer Distributor



Capacity 1 bushel. Will distribute 100 to 2000 pounds of commercial fertilizer to the acre. Hopper placed well forward over wheel, making lighter load and easier pushing. Feed can be opened and closed without stopping. Price \$26.00.

Planet Jr. Lifetime Garden Tools

Planet Jr. Lifetime Tools have amazing strength. Guaranteed never to bend or break. The very best and hardest steel is used.

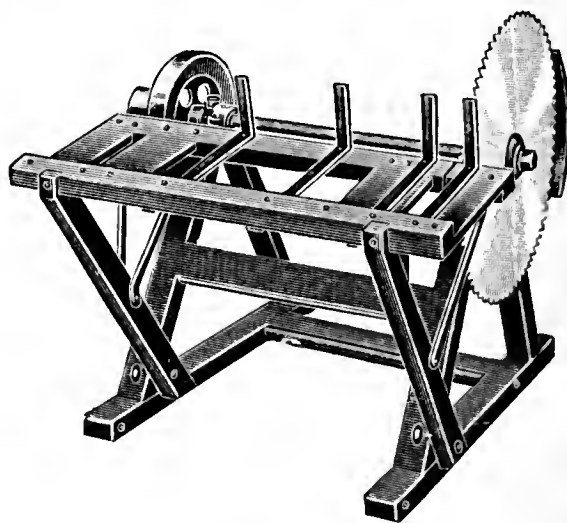
Garden Trowel	Each
Bulb Trowel	\$0.50
Weeder .....	.50

Mailing weight, 2 lbs. each.

No. 300 Drill Seeder

Capacity 4 quarts. Price \$18.75.

Tilting Table Wood and Pole Saw



An excellent high type of saw, made of good material throughout and built sturdy. The arbors are of steel, the bearings long and well babbitted. The balance wheels are heavy and well balanced. This machine is finished in an attractive manner, with tilting table pivoted so that it balances perfectly. A great favorite with the sawyer. Weight 275 lbs.

Tilting Table Wood Saw Frame with 65-lb. Balance Wheel,
Less Saw \$24.00

Tilting Table Pole Saw Frame with 65-lb. Balance Wheel,
Less Saw 35.00

WOOD SAWS, 1½-INCH ARBOR

20 inch	\$4.00	26 inch	\$5.95
22 inch	4.50	28 inch	6.95
24 inch	5.75	30 inch	7.95

Tractor Saw Frames with Belt and 30-Inch Saw. Price \$50.00 each.
Specify make of tractor.

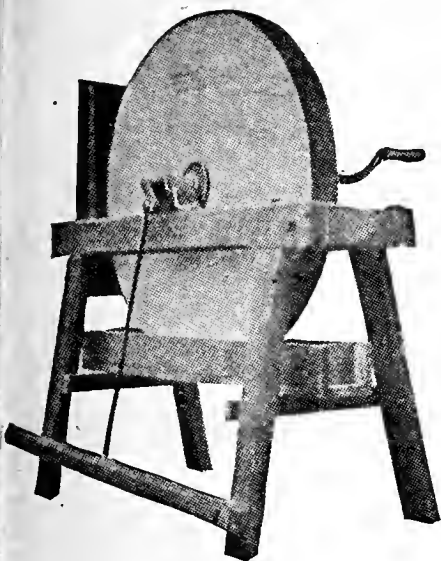
Garden and Farm Equipment

McCormick-Deering Type M Kerosene Engine

1½, 3, and 6 Horse Power.

½ horse power. Weight 325 lbs.	\$ 68.75
1 horse power. Weight 460 lbs.	110.00
2 horse power. Weight 870 lbs.	177.50

5% discount for cash.



Hecla Wood Frame Mounted Grindstone

The stones in these are best Nova Scotia Grit, mounted on heavy hardwood frame. It pays to buy a good article.

24x2	\$21.50
24x3	26.25
26x2½	26.50
26x3	28.50

Victor Tubular Steel Frame Grindstone

With Foot-Treadle and Seat.

Adjustable seat, 4 to 5 inches, vertically. Stone movable forward and back on frame. Frame being slightly flexible, it adjusts itself to uneven floors or surfaces. Rigid and easily set up. Bi-treadle with power properly applied. Hinged connection with ball-bearings on crank. Ball-bearings in journals. Frame is narrow at top, making it convenient to apply power, and spread at base, giving greater rigidity. Crated complete, stone protected. Made in one size, about 100-lb. stone. Price \$9.50.

Wilcox Mounted Grindstone

No. 1. About 100 lbs.	\$8.00
No. 2. About 120 lbs.	9.25
No. 3. About 135 lbs.	9.75

McCormick-Deering Ensilage Cutter

Carefully designed and constructed to cut large quantities of ensilage with a minimum of power requirements. The cutting knives are secured on the flywheel. This design assures safety at all working speeds. No. 12, Mounted, \$350.00. 5% discount for cash.

On skids, G \$257.00; F \$205.00. 5% discount for cash.

Mounted, G \$284.00; F \$230.75. 5% discount for cash.

The McCormick-Deering Corn Binder

This Corn Binder picks up down and tangled corn. There is bound to be some down corn in practically every corn field. It cuts and binds into even-sized bundles. Equipped with elevator chains to pick up down corn. No waste and you always get a neat job when you use the McCormick-Deering. Ask for price.



"Harder Silo - The Bulwark of the Paying Dairy"

Harder Silos

WOOD-CEMENT

For many years Ross Bros. Co. has represented Harder Silo Co. in Worcester County. We solicit your silo inquiries.

Binder Twine

Put up six balls to bale.
Market Price.

Blizzard Cutters

Can be operated successfully with a small amount of power.

No.	Dimensions of Capacity		H. P.	Speed.	Wgt. Lbs.
	Throat Inches.	Tons.			
No. 400.	11x5½	7-14	7-14	800 r.p.m.	1500
No. 500.	13x6	10-20	10-20	750 r.p.m.	1750

Complete with 30-ft. pipe.

Price on application.

Red Warrior Heavy Service Belting

Developed from long continued tests and experiments under severest conditions. The body is of 32-oz. closely woven duck with a 22-lb. friction binder.

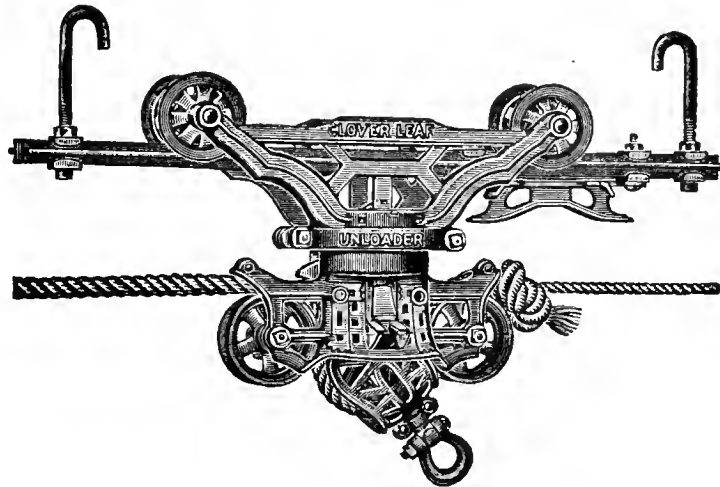
PRICE:

4 inches	4-ply	40c per foot
5 inches	4-ply	48c per foot
6 inches	4-ply	60c per foot

Horse Hay Fork Fixtures

No Barn is Complete Without One of These Reversible Steel Track Hay Carriers.

These carriers for rod, wood or steel track are the most durable and easiest rigs to operate of any on the market. Anyone with a hammer and wrench can rig his barn as well as an expert carpenter. We furnish everything necessary for rigging any style of barn. If you will send us the length and height of your barn and style of ridge pole, we will name your price for complete job.



	Price
Double Steel Track Per ft.	\$ 0.23
Hanger Hook. Each .....	.18
Pulley Hook. Each .....	.18
Hay Unloader. Each	10.25
Knot Passing Pulley. Each .....	.70
Two-Tine Harpoon. 25-inch. Each	2.50
Two-Tine Harpoon Fork. 31-inch. Each	2.75
Four-Tine Grapple Fork	10.50
Six-Tine Grapple Fork	12.00
Rafter Bracket. Each .....	.05
Jointed Hanger Hooks. Each .....	.25

TRUE TEMPER THREE-TINE HAY FORKS

No. 133½B	\$1.35
No. 134B	1.35
No. 134½B	1.40
No. 0134B Strapped	1.50
No. 0134½B Strapped	1.55
No. 0135B Strapped	1.60
No. P034 Strapped Panther Brand	1.00

Lightning Hay Knife

Each \$2.00.

Pure Manila Rope

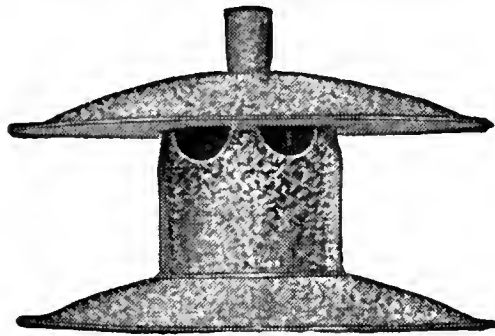
	1 Lb. Equals	Price Per Lb.
¼ inch	51 feet	\$0.31
⅜ inch	24 feet 6 inches	.29
½ inch	13 feet 7 inches	.26
⅝ inch	7 feet 6 inches	.24
¾ inch	6 feet 2 inches	.23
1 inch	3 feet 8 inches	.23

Tarred Lath Yarn

In coils of about 50 lbs. wound in rope form. Each rope contains 130 ends. Per lb. 20c.

Ross' Poultry Supplies

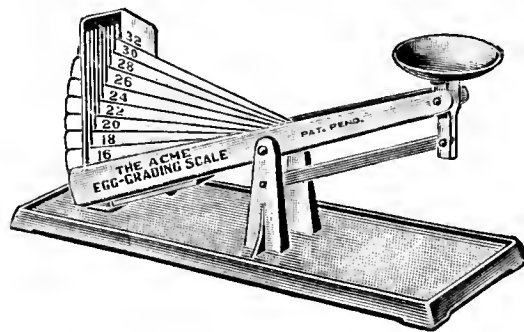
The Putnam Brooder



This little article makes the best little brooder in the world. Stove costs \$4.75. With the stove we will furnish directions for building. Anyone can make this brooder out of a shoe box in a little while.

A shoe box, a few nails, this stove and an hour's time gives you a brooder which will serve you as well as any other on the market. Weight, 6 lbs. Stove \$4.75.

The Acme Egg-Grading Scale



Is made entirely of aluminum, which makes it rust-proof and practically indestructible. Every part is accurately made and carefully tested and will meet the requirements of any state bureau of weights and measures.

No. 1. Grades 16 to 32 ounces
No. 3. Grades 19 to 30 ounces

Price \$2.85. Weight 2 lbs.

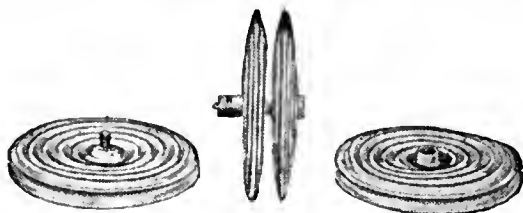
CEL-O-GLASS

CEL-O-GLASS is made in rolls, 1 yard wide and can be cut to any required size and installed with staples and a hammer. Construction on frames is advised for all installations. Price: Postpaid, 15c per sq. ft. By express, 25, 50, 100-ft. rolls, 13 1/2c per sq. ft.

Glass Cloth

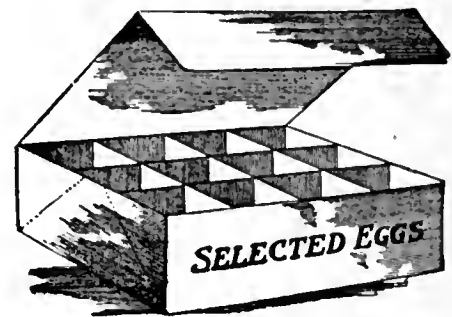
Not glass, but a specially processed strong fabric treated to render it transparent, weather-proof and water-proof, shutting out cold, snow, wind and rain; transparent to admit light and warmth, and the valuable Ultra Violet rays of the sun which are so necessary and beneficial to animal and vegetable life. Prepaid prices: By parcel post or express. We send the cheapest way. Single yard 35c, 5 yards \$1.50, 10 yards \$3.00, 15 yards \$4.50, 50 yards \$12.50. Add 2c per yard outside of United States.

Reliable Brass Wafer Thermostats For Any Incubator or Brooder



Price: Postpaid, 3-inch 35c, 4-inch 45c, 5-inch 55c.

Chip Egg Boxes

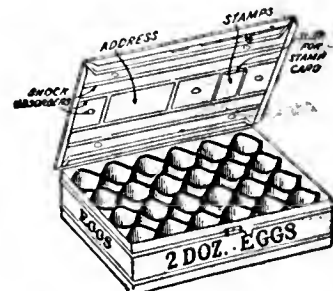


Handy for Retail Trade.

	Weight	Price
Dozen	2 lbs.	\$0.15
Bundle of 125	12 lbs.	1.00

Ask for prices in larger quantities.

Aluminized Metal Egg Crate



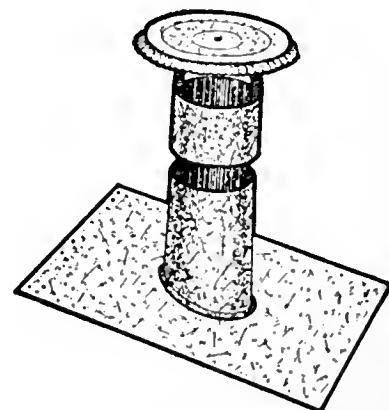
FOR PARCEL POST

Has proven itself by constant use to be the most practical. Ideal for shipping eggs, butter and other farm products by parcel post. It is practically egg-break-proof.

Postage is no more than for other Egg Carriers.

		Price
1 dozen size—all eggs,	1 3/4 pounds	\$1.00
2 dozen size—all eggs,	3 pounds	1.25
3 dozen size—all eggs,	4 pounds	1.50
4 dozen size—all eggs,	5 pounds	1.75
6 dozen size—all eggs,	6 pounds	2.00
9 dozen size—all eggs,	8 pounds	2.50
12 dozen size—all eggs,	10 pounds	3.00

Roof Saddles



Roof saddles for installing Coal Burning Brooders. Made of galvanized steel to fit either side of roof. Rain cap is included, but not fastened to saddle, allowing adjustment of outside pipe to any height wanted.

3-inch with Base Plate 11x12". Mailing weight, 5 lbs.

4-inch with Base Plate 11x12". Mailing weight, 5 lbs.

5-inch with Base Plate 11x12". Mailing weight, 5 lbs.

Price: 3-in. 85c, 4-in. 85c, 5-in. \$1.00. Add for postage.

Ross' Poultry Supplies

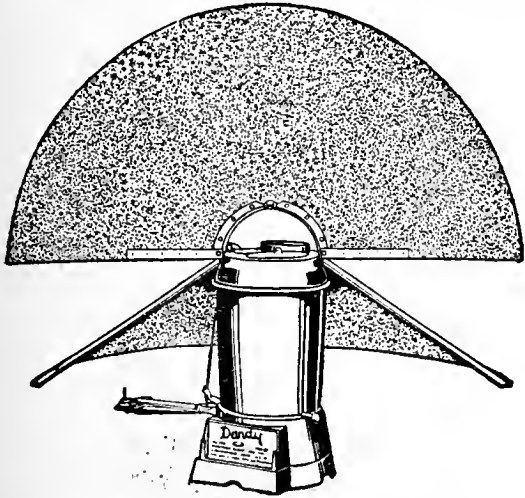
Newtown Coal Brooders Save Chicks Where Others Fail

You get more chick-raising ability and greater satisfaction, dollar for dollar in a Newtown coal burning brooder than in any other kind ever built. That's a fact. Comparisons prove it. Here are two popular sizes.

No. 11. Capacity, 500 chicks; diameter of hover, 50 inches; shipping weight, 202 lbs. Price \$32.50.

No. 12. Capacity, 1000 chicks; diameter of hover, 56 inches; shipping weight, 306 lbs. Price \$40.00.

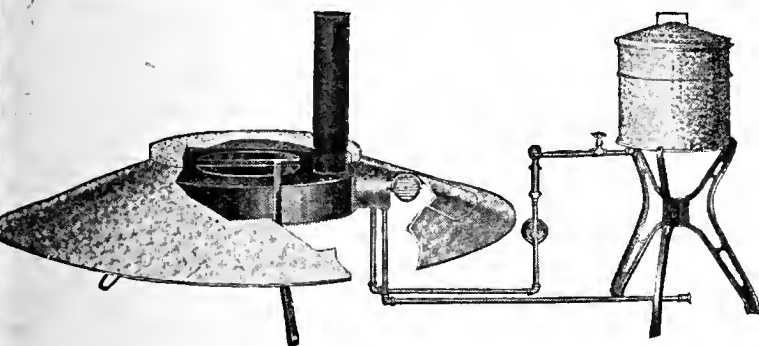
Dandy Coal Burning Brooder



The Dandy brooder offers you one of the greatest brooder values on the market today. Automatically feeds coal to the fire, double check draft automatically controlled and has a big, new hinged hover.

Model	Diameter of Hover	Capacity Chicks	Coal Capacity	Ship. Wt.	Price
No. 36	42 in.	350	30 lbs.	98 lbs.	\$14.00
No. 35	52 in.	500	40 lbs.	109 lbs.	17.50
No. 39	56 in.	1000	62 lbs.	140 lbs.	21.00
No. 40	62 in.	1200	75 lbs.	155 lbs.	25.00

"Dandy-Heat" Oil Burning Brooder



Dandy Heat burns ordinary kerosene. The tank holds six gallons. That's enough to last 36 hours at the maximum rate of burning. A tank full will last several days in normal burning. Pure air for chicks. Send for circular.

Model	Diameter of Canopy	Capacity Chicks	Ship. Wt.	Price
No. 254.	54 in.	up to 500	83 lbs.	\$23.00
No. 262.	62 in.	up to 1200	90 lbs.	24.75

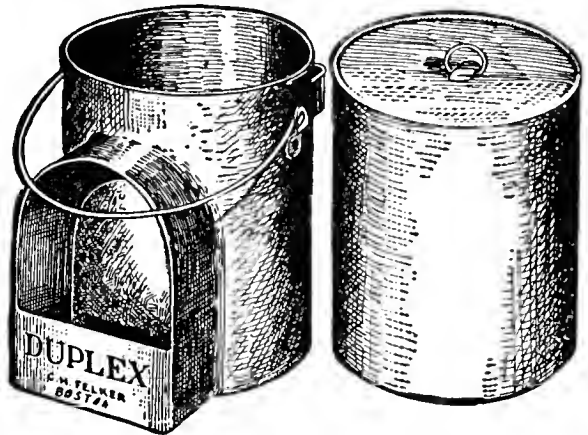
Husky Day Old Chicks

Guaranteed safe arrival when shipped direct from our hatchery.

Our advice is to get your order in early for day-old chicks and not be disappointed the way many were last year, not being able to get their orders when wanted.



Duplex Fount



Made of heavy galvanized iron. Tends to keep water cool in summer and does not freeze readily in winter.

4 qts., \$1.15 each. Weight, 3 lbs.

8 qts., \$1.40 each. Weight, 4 lbs.

DUPLEX TWIN FOUNTAIN. Two outlet hoods. 8 qts., \$1.65. Weight, 4 lbs.

Chick Feeder

12 in., Double Trough	\$0.25
18 in., Double Trough	.30
24 in., Double Trough	.35
36 in., Double Trough	.50

Miscellaneous Supplies

Vigoro Spreaders

The Vigoro Spreader is an easy running, sturdy machine, built on the forced-feed principle. Every home owner needs a spreader to make his gardening more successful. It applies grass seed as well as fertilizer at a uniform rate.

14 in. Junior, 20 lb. capacity	\$5.75
24 in. Standard, 65 lb. capacity	10.85
36 in. Special, 100 lb. capacity	17.25
14 in. Model B, with wheels	2.85

No. 10 Garden Hose Reel

Undoubtedly the best garden hose reel on the market. Absolutely all metal, tubular steel rims and frame; corrugated galvanized drum. Frame and reel enameled green. Capacity 100 feet of 3/4-in. hose. Price, \$4.50.

All Steel Hose Reel

Well balanced, easy to operate, heavy gauge galvanized steel drum. Capacity 100 feet 5/8-in. hose. Price, \$1.50.

Cider Mills

Hocking Valley Senior Cider Mill. Weight 325 lbs.	\$48.00
Hocking Valley Medium Cider Mill. Weight 185 lbs.	35.00
Hocking Valley Junior Cider Mill. Weight 162 lbs.	27.50
Hocking Valley Bantam Cider Mill. Weight 127 lbs.	21.50

Kegs and Barrels

(Paraffined)

5 gals.	\$1.60
10 gals.	2.10
15 gals.	2.60
20 gals.	2.80
25 gals.	3.00
30 gals.	3.50
50 gals. 8 hoops	4.75

Also charred kegs in all sizes. Prices on application.

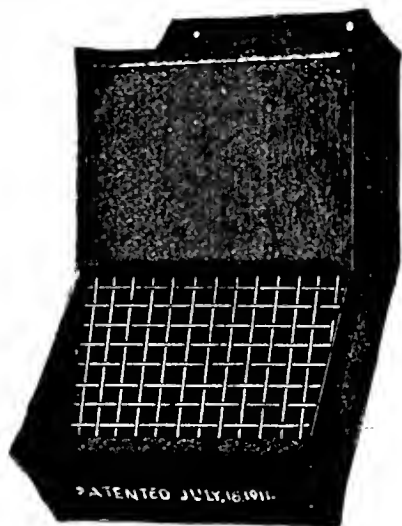
Glass Jugs

	Each	Doz.
1 gal.	\$0.25	\$2.10

Ask for gross prices.

Ross' Poultry Supplies

Sexton's Dry Feed Hopper Open



This Hopper is arranged to hang on the wall the desired distance from floor and never need be removed from the wall to be refilled. It is impossible to waste any feed as the pan at the bottom takes any feed that may be picked out and the last crumb can be used, therefore saving any waste.

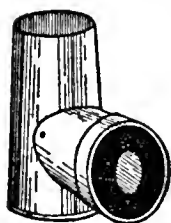
PRICE:

No. 2. 3 qts. Weight, 3 lbs.	\$1.10
No. 1. 12 qts. Weight, 5 lbs.	1.50
No. 5. 24 qts. Weight, 7 lbs.	2.40

Earthen Pigeon Bowl

Each 25c, per doz. \$2.00.

Weight, each 4 lbs.



X-RAY EGG TESTER\$0.25
30c postpaid.

Poultry Killing Knife



Price, each, 60c.

Postpaid, 65c.

Caponizing Set



Complete with instructions, \$5.00. We send book, "Complete Guide for Caponizing," with every set.

Philadelphia set in velvet case, \$3.50, postpaid.

The Putnam Stove



This little stove, 9x4 inches, works wonders in cold weather. Keeps water warm in the poultry house in the coldest weather. Costs only from 20c to 35c to operate during the winter. Stove, \$2.00, postpaid.

Poultry Punches

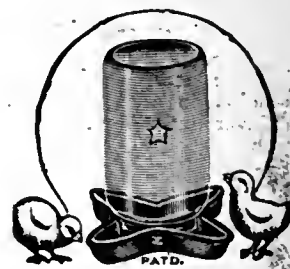
25c each. Postpaid, 30c each.



Two-Piece Fountain

1 qt.	\$0.25
2 qts. ....	.30
4 qts. ....	.40

Mailing weight, 2 lbs.



Star Chick Feeder and Fount

Fit any mason jar. Price, each, 10c; 15c, postpaid.

Lawn Park Coops

The Lawn Park Coop Saves the Chicks.

Protect the chicks from hawks, rats, weasels, vermin, cold, storms, etc. Give proper ventilation and sanitation. Price: Each \$3.00.

Worcester Oat Sprouter

Green Feed for Poultry.

A high grade, durable oat and grain sprouter. The frame is of steel and has 6 heavily galvanized steel pans. No heater or lamp required. Price \$5.00.

Brooder Thermometer

Brooder Thermometer. Price 75c.

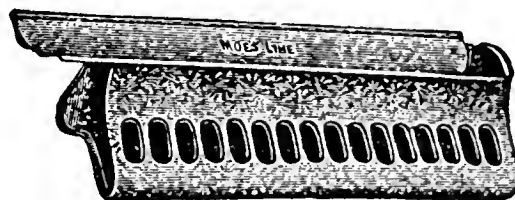
Incubator Thermometer. Price 75c. Add 5c for postage.

Felker's Handy Attachment

To be used with any make of Fruit Jar. A perfect feeder. For Sour Milk, Water, Hard Grain or Grit.

Price 25c. Mailing weight, 2 lbs.

Large Capacity Feeder



No. 140. Chick Feeder. Each\$0.75

No. 140W. Same as above but with wide rain cover90

A fine feeder for growing stock and a great time and labor saver. Has a total of 32 feeder holes. Sliding top, easy to fill and clean. Capacity, 10 quarts; length, 21 inches.

No. 141. The same style, but larger. Length, 35 inches.

Has 54 feeder holes. Capacity, 17 quarts. Each\$1.25

No. 141W. Same as above, but with rain cover 1.50

Celluloid Bands

Assorted Colors.

	Doz.	100	1000
No. 4. Baby Chick	\$0.10	\$0.35	\$2.40
No. 5. Pigeon .....	.10	.35	2.50
No. 6. Growing Chicks .....	.15	.40	3.00
No. 7. Bantams .....	.15	.45	3.50
No. 9. Leghorns .....	.15	.50	4.00
No. 10. Wyandottes .....	.15	.50	4.00
No. 11. Rocks, Red .....	.15	.60	5.00
No. 12. Jersey Giants, Brahmas .....	.15	.75	6.00
No. 13. Large Cocks, Turkeys .....	.15	.75	6.00

Postpaid.

Champion Leg Bands

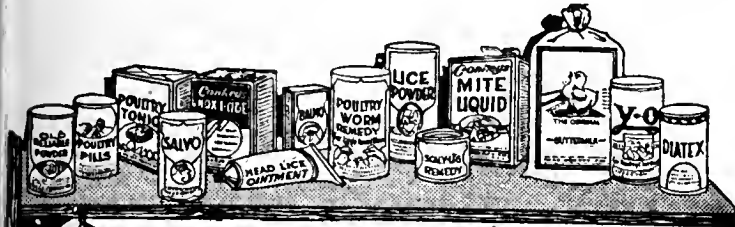
Numbered 1 to 100. Price 75c, postpaid.

Imported Ground Peat for Poultry

Takes up moisture, prevents spread of disease and superior to shavings or sawdust.

Standard bale. Price \$3.00.

Conkey's-Pratt's-Hess' Poultry Remedies



Reliable Poultry Remedies The Conkey Line

BALMO. (Formerly called Canker Special). A soothing, cooling application for relieving irritation around swollen eyes and head and in the mouth when treating conditions caused by colds and similar troubles. Price: Pkg. 50c.

DIATEX. (Formerly called White Diarrhea Remedy). An astringent tablet for drinking water of poultry and baby chicks. Play safe—keep this remedy in the drinking water of all baby chicks until danger period of the first few weeks is past. Prices: Pkgs. 25c, 50c, \$1.00, all postpaid. Breeder size (1200 tablets), \$3.75, \$3.85, postpaid.

LICE POWDER. (Contains Sodium Fluoride). For dusting hens, nests, growing chicks, for use wherever body lice must be overcome. Price 35c, and 75c.

OLD RELIABLE POWDER. (Formerly Roup Remedy). Easily given in the drinking water. Let the birds help themselves. Keep it on hand for use in emergency or put it in drinking fountains on cold, rainy days or when there is a sudden change in the weather. In mild doses it acts as a tonic. Prices: Pkgs., 25c; 50c, and \$1.00. 1½-lb. can \$2.35, all postpaid. 5-lb. can \$5.50, \$5.75 postpaid.

POULTRY PILLS. (Formerly called Roup Pills). Administer these pills twice daily, in extreme cases 3 times a day. Prices: Pkgs. 25c, 50c, and \$1.00, all postpaid. Breeder size (1000 pills) \$2.75, \$3.00 postpaid.

POULTRY WORM REMEDY. For round worms, gizzard and caecal worms and flukes or leaf worms. Prices: Pkgs. 25c, 50c, or 30c, 55c postpaid. Breeder size (5 lbs.) \$2.75, \$2.85 postpaid.

CONKEY'S Y-O (Yeast with Cod Liver Oil)

FOR BABY CHICKS. Prevents leg weakness. A small amount of Y-O introduced in the mash supplies them with an abundance of vitamins. Result—chicks make amazingly rapid growth, and practically none die.

FOR GROWING STOCK. Their rapid development, their blood-red combs, yellow legs, lustrous plumage and alert bearing will amaze and delight you.

Y-O FED PULLETS have reserve energy and vitality. This enables them to lay with ever-increasing rapidity.

FOR MATURE HENS. Y-O is to keep the hens laying far into the molt; to ward off low vitality with its accompanying ills, poor condition, low production, disease and high mortality. Prices: Pkgs., lb. 50c, 2 lbs. 90c, 5 lbs. \$1.60, 25-lb. drum \$6.50, 50-lb. drum \$11.50, not prepaid.



Pratt's Poultry Remedies



POULTRY REGULATOR. Tones up systems, regulates bowels, aids digestion, sharpens appetite, wards off disease and increases vitality. Use it the year round for breeders, layers and growing stock. 4-lb. pkg., 50c; 12-lb. pkg., \$1.40; 25-lb. pail, \$2.50; 100-lb. drum, \$8.50.

POWDERED LICE KILLER. Is powerful, economical, non-poisonous and non-irritating. For use on poultry, in dustbaths, nests, on dogs, cats, horses, cattle, hogs, and sheep. In sifter top cans at 25c and 50c. 30c and 60c, postpaid.

CHICK TABLETS. Makes the drinking water safe, tones up the chicks and effectively treats most diarrhea troubles. Prices: 25c and 50c. Postpaid, 30c and 55c.

R-P TABLETS. (Formerly Pratt's Roup Tablets). For Adult Fowls. Price: 25c and 50c. Postpaid, 30c and 55c.

DISINFECTANT. Cheap, powerful, non-poisonous disinfectant. Quart, weight 3 lbs., 50c. Half gallon, weight 6 lbs., 85c. Gallon, weight 11 lbs., \$1.45.

PRATT'S N-K TABLETS. For eradication of tape and round worms in poultry. Adult size, 50 tablets 75c, 100 tablets \$1.35. 500 tablets \$5.00. Chick size, 50 tablets 50c, 100 tablets 90c.

Dr. Hess Remedies for Stock and Poultry



DIP AND DISINFECTANT. Valuable about barns and stables, kills hog lice and other parasites and keeps down foul odors. 1 qt., 3 lbs., 50c; 1 gal., 10 lbs., \$1.50.

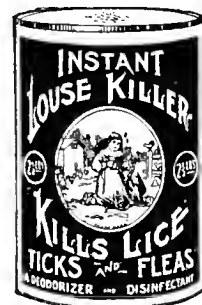
POULTRY PAN-A-MIN. Pan-A-Min is of high value to moulting hens, in egg production, in reducing chick mortality, in bone and feather growth and in maintaining health. 1½ lbs. 25c, 3 lbs. 45c, 7 lbs. 85c, 15 lbs. \$1.75, 25 lbs. \$2.50.

POULTRY TABLETS. (Formerly Roup Tablets). Dr. Hess' Poultry Tablets are of high value in treating locally the swelling incident to Roup. 50c and \$1.00. Postpaid, 55c and \$1.10.

POULTRY VER-MI-TROL. For worms, Ver-Mi-Trol is a flock treatment. No individual handling of birds. 4 lbs. \$1.00, 10 lbs. \$2.25.

INSTANT LOUSE KILLER. Kills lice and bugs on poultry, cucumber, squash and melon vines—slugs on rose bushes. Non-poisonous, and may be used on edible plants with entire safety. 1 lb. 25c, 2½ lbs. 50c.

CHICK TABLETS. (Formerly White Diarrhea Tablets). Most diarrhea conditions in chicks, often mistaken for Biliary White Diarrhea, are the result of improper feeding or brooding and can be corrected with Chick Tablet. 50c and \$1.00 pkgs. Postpaid, 55c and \$1.10.



Leader Fountain

A new Sanitary Fountain, practical to use, easy to keep clean.

1½ gals. Mailing weight, 5 lbs. Price, 85c.

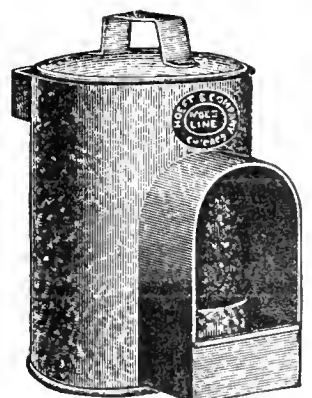
3 gals. Mailing weight, 3 lbs. Price, \$1.50.



Wall Fount

4 qts. Weight, 2 lbs. Price, 90c.

8 qts. Weight, 3 lbs. Price, \$1.25.



Poultry Remedies and Supplies

Gold Leaf Tobacco Powder for Poultry Worms

The failure of young birds to develop properly and an unhealthy condition of the older birds, is often caused by the presence in their intestines of poultry round worms.

2-lb. pkg. Mixes with 100 lbs. of mash\$0.25
10-lb. pkg. Mixes with 500 lbs. of mash85

Parke-Davis C-A Worm Capsules

Individual treatment, correct dose. Can be given any time. No setback in total egg production.

No. 196. For Turkeys and Adult Hens. \$1.00 for box of 50.

No. 195. For Pullets under 4 months. 75c for box of 50.

Lambert's Death-To-Lice

Sure death to lice on hens and chickens. Harmless to human and animal life. 15-oz. size, 25c; 48-oz. size, 50c; 100-oz. size, \$1.00.

Graylawn Farm Louse-Chase

Kills every louse at trifling cost. 5-oz. can, 40c; 12-oz. can, 65c; 22-oz. can, \$1.00.



Farm Disinfectant Dairy Sterilizer

A powerful, clean, non-poisonous germ killer.

B-K cannot be sent by parcel post.

1-qt. bottle\$0.90
1-gal. jugs 2.00
5-gal. jugs 8.50
1 3/4-lb. bottle B-K Powder, \$1.50; postpaid. 1.60

Carbola Paints and also Disinfects

Carbola is a white paint and powerful disinfectant combined in powder form. Easily and quickly applied to building interiors with brush or spray pump. Disinfects and dries pure white. One pound covers 100 sq. ft.

5 pounds (5 gals.)\$0.75
10 pounds (10 gals.) 1.25
25 pounds (25 gals.) 2.75
50 pounds (50 gals.) 5.00

Clinton Pigeon Feed

Made from clean, thoroughly dried grains. Mixed with or without corn. Market price.

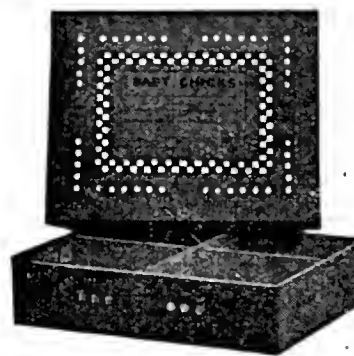
Crushed Oyster Shell

For poultry or chicks. 100 lbs. \$1.25.

Poultry Grit

Cracked in three sizes: No. 1, fine. No. 2, medium. No. 3, coarse. 100 lbs. \$1.25.

The Deluxe Chick Box



No more wooden cleats to buy. No mailing or pasting of cleats. Positive ventilation at all times.

No. DLW 100. (100 chick size), 22x18x5 1/2. Weight, 259 lbs. per 100. Packed 15 in bundle with staples. 100 boxes or over, 14 1/2c each. Lots of 60 boxes, 15 1/2c each. Bundle lots, 16 1/2c each. By express or freight only.

"Black Leaf" Worm Powder

An odorless, tasteless dry compound containing nicotine that remains insoluble in the mouth, throat, crop and gizzard, hence non-toxic to poultry.

"Black Leaf" worm powder is easily fed in mash. The dose is 1/4 pound, mixed in gallon of mash, for 100 birds. 4-oz. pkg., \$1.00; 1 1/2-lb. pkg., \$4.00; 3-lb. pkg., \$7.50.

Ful-O-Pep Poultry Feeds

Ful-O-Pep Poultry Feeds are manufactured by the Quaker Oats Co., whose many years' milling experience insures production of superior poultry feeds. See us for your Ful-O-Pep Poultry Feeds. Sold always at market prices.

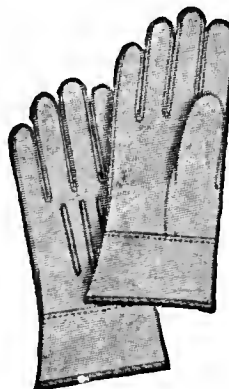
Water Glass

This preparation is used by many in preference to the dry powder. The preservative will preserve eggs perfectly. Price: 1 pt., weight 3 lbs., 18c; 1 qt., weight 4 lbs., 25c; 1 gal., weight 14 lbs., 80c.

"Hold-Em" Wire Rat Traps

Weight 2 lbs.\$1.00

National EEzy Wear Garden Gloves



ALL LEATHER

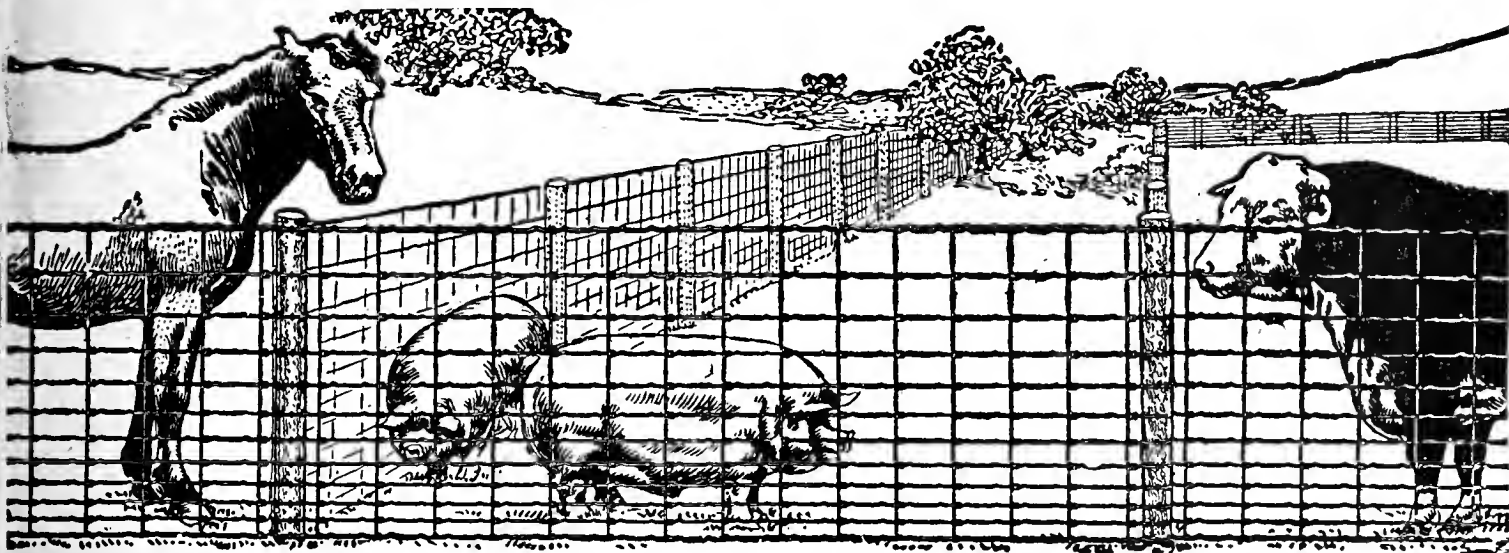
SOFT AS KID DIRT-PROOF
DURABLE WASHABLE

Four sizes: "Small" and "Medium" for women; "Medium" and "Large" for men.

Price, 75c per pair; 2 pairs for \$1.40, postpaid.

This is the first time we have ever offered an all-leather garden glove with these special qualities at such a low price.

Ross' Strong and Durable Fences Will Last for Generations



Our general purpose farm fence is the 1047x12, and the dimensions contained in the above figures are explained as follows: Figure 10 represents the number of horizontal wires, 47 represents the height in inches, and 12 represents the distance apart of the upright bars. The top bars are No. 9 wire, the bottom bar No. 10, and the intermediate bars and stays No. 11 wire. This makes an ideal up-to-date farm fence, strong enough for any use. It is heavily galvanized and will last for years and is much more sightly than the old ramshackle stone walls or wooden fences. When this fence is used in connection with steel posts, all of the weeds, etc., can be burned right up to the fence, which is another great advantage in keeping the field entirely free from refuse matter.

We have good stock on hand at all times of the following numbers.

1047x12, 10 rods	\$6.00	635x12, 10 rods	\$4.50
.845x12, 10 rods	5.50		
832x 6, 10 rods	6.65		
1047x 6, 10 rods	8.00		

Spec. 12½ Lighter Wire

1047x6, 10 rods\$6.25

American Steel Fence Posts

Better—Stiffer—Heavier.

Too much cannot be said of the American Steel Fence Post. While the first cost of the steel post and the wood post is practically the same, the steel post can be set in about 5 minutes, while the wood posts take surely a half hour. With the American Steel Post the fence line can be burned off every year, thus getting rid of insects, weeds and rubbish. The clean farmer grows the best and biggest crops and with the least labor and expense. We carry a good stock of the following heights which are the best sellers.

7½ ft., each	\$0.80
6½ ft., each .....	.65

American Poultry Fence

A Truly Defensive, Extra-Heavy Galvanized Fence.

Made of No. 11 and No. 14 wire. This fence is much stronger than any other fence sold as a poultry fence, the Top and Bottom Bars No. 11 Galvanized Steel Wire, Intermediate Bars No. 13 Galvanized Steel Wire. Stay Wires No. 14 Galvanized Steel Wire.

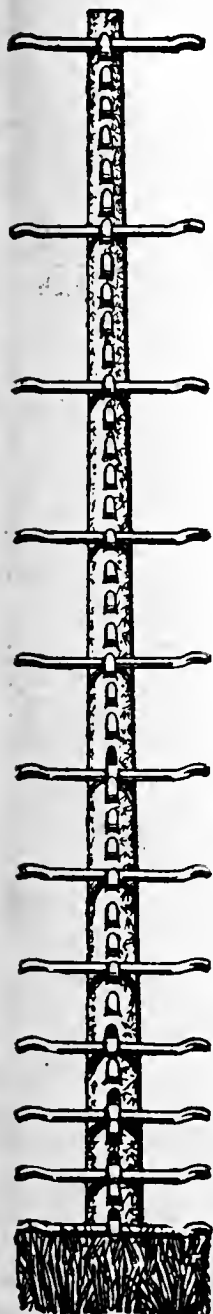
At the bottom are four spaces of 1½ inches each, the highest spaces graduated to 5 inches.

Design No.	No. of Bars	Height	Weight	10 Rods
2158	21	58 in.	129 lbs.	\$7.25
1948	19	48 in.	115 lbs.	6.50

Two-Ply Twisted Wire

Four-Point Lyman Cattle, 80-rod spools, each ...	\$3.85
Two-Point Cattle, 80-rod spools, each	3.75
Two-Ply Twisted Wire, 80-rod spools, each	3.50

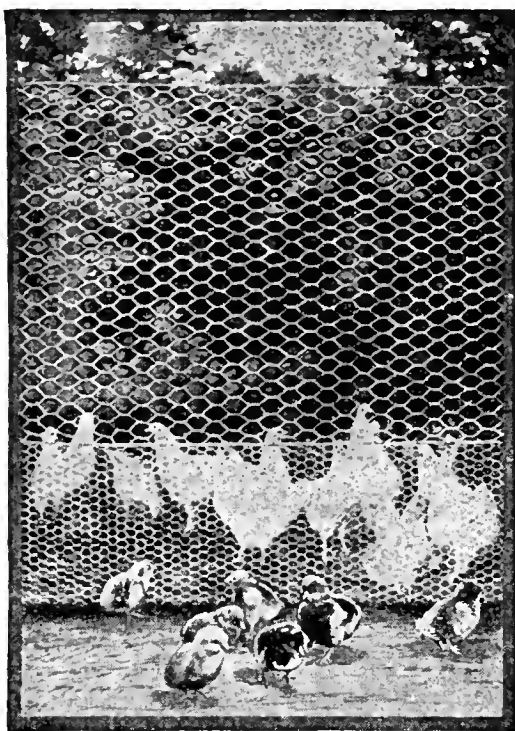
Two-Point Barb Wire



Ross' Strong and Durable Fences

Galvanized Poultry Netting

SUPERIOR
BRAND



Price for roll of 150 running feet.

NO. 19 GAUGE WIRE

1 ft. 2 in. mesh	\$1.30
1½ ft. 2 in. mesh	1.90
2 ft. 2 in. mesh	2.40
2½ ft. 2 in. mesh	2.90
3 ft. 2 in. mesh	3.25
4 ft. 2 in. mesh	4.40
5 ft. 2 in. mesh	5.50
6 ft. 2 in. mesh	6.50
1 ft. 1 in. mesh	3.15
1½ ft. 1 in. mesh	4.50
2 ft. 1 in. mesh	5.75
2½ ft. 1 in. mesh	6.90
3 ft. 1 in. mesh	7.85

NO. 20 GAUGE WIRE

1 ft. 2 in. mesh	\$1.10
1½ ft. 2 in. mesh	1.60
2 ft. 2 in. mesh	2.05
2½ ft. 2 in. mesh	2.40
3 ft. 2 in. mesh	2.75
4 ft. 2 in. mesh	3.70
5 ft. 2 in. mesh	4.60
6 ft. 2 in. mesh	5.50
1 ft. 1 in. mesh	2.50
1½ ft. 1 in. mesh	3.60
2 ft. 1 in. mesh	4.60
2½ ft. 1 in. mesh	5.50
3 ft. 1 in. mesh	6.25

Bale Ties



We carry the 9-ft. No. 15 cross head ties in stock. We find this to be the most popular size, as it makes the most convenient bale of hay.

Per bundle of 250 wires, \$3.25. 5 bundles, \$3.00 per bundle.

Sweet's Steel Posts

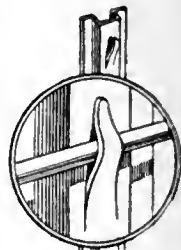
Superior Strength—Attractive Appearance.

Maximum Durability—Unequalled Economy.

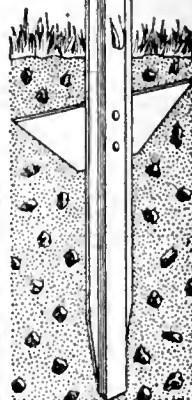
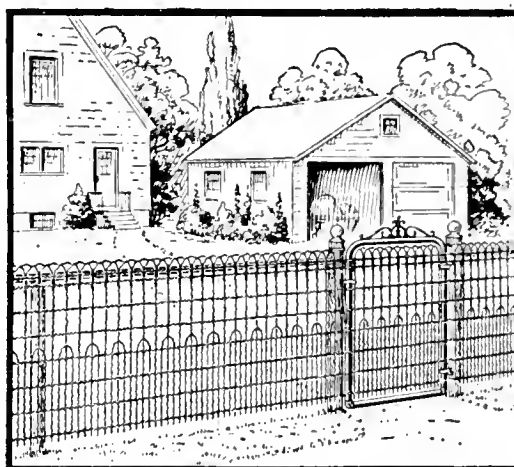
A special high carbon steel post of extreme rigidity, for all types of fence construction. The design of these posts is a flanged leg channel section which assures maximum strength.

No. 3. (B-C). 6½ ft., approx. wt. 8.31 lbs. Price: 45c each, 25 or more 40c each.

No. 3. (B-C). 7½ ft., approx. wt. 9.69 lbs. Price: 55c each, 25 or more 50c each.



Ornamental Lawn Fence



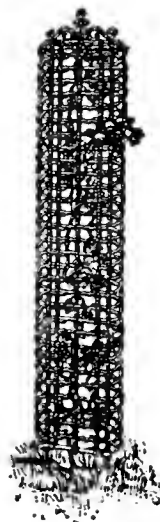
Sweet's
Steel
Post.

The above cut shows the double style. Heavily galvanized steel wire used throughout. Popular heights: 36, 42 and 48 inch. 36 in., per ft. 13c. 42 in., per ft. 14c. 48 in., per ft. 16c. Less 1c per ft. in full rolls.

We also carry the single style, same as double except additional lower picket not furnished. 36 in., per ft. 10c. 42 in., per ft. 11c. 48 in., per ft., 12c. Less 1c per ft. in full rolls.

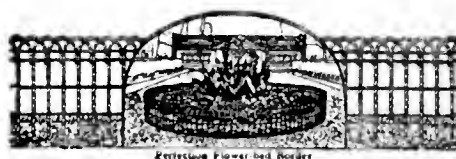
Trellis Wire

Double style. 18 in. wide, 10c per ft.; 24 in. wide, 12c per ft.



Trellis
Wire.

Flower Bed Border



Fits any shape or size flower bed. Bottom left straight to be inserted in the ground. Standard specifications 16 in. height, 8c per ft. 22 in. height, 9c per ft. Less 1c per ft. in full rolls.

Ross' Farm and Garden Specialties

Stormtight

FOR USE ON ANY ROOF IN ANY WEATHER

For Use on Any Roof in Any Weather.

STORMTIGHT will stop leaks and keep roofs water-proof for years. Roof paints form a thin film which dries out, cracks and permits leaks. Stormtight forms a heavy film which does not dry out nor leak.

Stormtight Liquid

	Black Per Gal.	Maroon Per Gal.
Drums, 64 gals.	\$1.00	\$1.50
Drums, 38 gals.	1.10	1.60
Drums, 10 gals.	1.30	1.80
Cans, 5 gals. (2 per case)	1.40	1.90
Cans, 1 gal. (6 per case)	1.50	2.00

Stormtight—Plastic

	Black Per Lb.	Maroon Per Lb.
Buckets, 25 lbs.	\$0.17	\$0.22
Cans, 10 lbs. (6 to case) .....	.18	.23
Cans, 5 lbs. (12 to case) .....	.19	.24
Cans, 1 lb. (24 to case) .....	.22	.27
	Red and Green Per Lb.	
Buckets 25 lbs.	\$0.30	
Cans, 10 lbs. (6 to case) .....	.31	
Cans, 5 lbs. (12 to case) .....	.32	
Cans, 1 lb. (24 to case) .....	.35	



Quality, Durable and Guaranteed.

Carried in the following: Certain-teed, 1, 2, and 3-ply. Guard, 1, 2, and 3-ply. Corporal, 1, 2, and 3-ply.

Certain-teed—Slate Surface in green, red, and blue-black.

Major—Slate Surface in green, red, and blue-black.

Tarred Felt and Asphalt Sheathing.

Above sold at market prices. Write for quotations.

Wright's Animal Tether

Designed to obviate the danger of horses and other animals becoming entangled in the rope with which they are fastened. Consists of a pole about 10 feet in length, connected with an upright bar, upon which it turns in any direction. Price \$6.00.

Dairy Scales

Graduated in 1 oz. or by 10ths. Weighs 30 lbs. Made especially for dairymen. Has adjustment for taking out weight of pail.

Price \$6.00.

Weight 4 lbs.

Fairbanks Portable Platform Scales

Number	Capacity	Price
1124	1000 lbs.	\$21.50
1128	500 lbs.	18.50

Kraut Cutters

PRICE LIST:

Number	Knives	Size	Each
55E	3	9x28	\$2.00
65E	3	11x30	3.00

Galvanized Standard Hardware Cloth

Standard Widths 24 in. to 48 in. Inclusive.

Rolls of 100 lineal feet.

2	x2	Mesh per 100 sq. ft.	\$4.50
2½	x2½	Mesh per 100 sq. ft.	4.75
3	x3	Mesh per 100 sq. ft.	4.80
4	x4	Mesh per 100 sq. ft.	5.10
5	x5	Mesh per 100 sq. ft.	5.20

Per 100
Sq. Ft.

For rolls 12 to 17 in. add \$1.00

For rolls 18 to 23 in. add75

For 50-ft. rolls add15

For 25-ft. rolls add30

KOW KARE



KOW KARE. Prevents and cures abortion and barrenness. Increases the flow of milk. It is for cows only. 65c, mailing weight 2 lbs.; \$1.25, mailing weight 4 lbs.

BAG BALM. Cures caked bags and sore teats. Should be in every stable. 60c, weight 1 lb.

CALF CORDIAL. Sure cure for scours and other similar complaints. 50c, mailing weight 2 lbs.

WYANDOTTE DAIRYMAN'S CLEANER. An absolute necessity in every dairy. A powder, easy to use, and recommended by everyone that ever tried it. Price: 5-lb. bag 45c, 80-lb. keg \$4.95, 280-lb. barrel \$13.75.

Moore Bros. "Purpul" Medicated Wax Teat Dilators

For obstructions, spiders, sores on end of teat, hard milkers, etc. 1½ doz. Dilators 25c, 7 doz. Dilators \$1.00, postpaid.

Dr. Naylor's Medicated Teat Dilators

For the treatment of spider, obstruction, hard milkers, cut and bruised teats.

They heal the teat and keep it open. The dilators are sterilized and packed in the medicated ointment.

1½ doz. Dilators in Jar Ointment 50c. Postage 8c.

4 doz. Dilators in Jar Ointment \$1.00. Postage 10c.

Dr. Naylor's Liquid Udder Balm

This Udder Balm being a liquid is more penetrating, loosens up the tissues and removes the inflammation. Price \$1.00. Mailing weight 2 lbs.

Dr. Naylor's Cleralac

This powder is very effective in the treatment of Garget and Stringy Milk. Price 65c. Mailing weight 2 lbs.

Dr. Naylor's Stop-a-Leak

A treatment for cows that leak milk. Price \$1.00. Postage 10c.

The Banner Root and Vegetable Cutter

A self-feeder; separates the dirt from the cut feed, and leaves the cut food in such condition that the stock cannot choke.

No. 20. For hand power \$21.50

No. 16. Hand and power 35.00

No. 7. Hand power for poultry 8.75

Barn Equipment



Star Unit Stall No. 10

Milk and misery don't go together. The Star Unit Steel Stall gives the cow pasture-comfort. In this she can turn around to card herself—she can lie down with her head tucked against the side of her body, just as she sleeps out in a June pasture. Farmers who have used them say that cows will pay for the complete steel stalls and stanchions in 2 years out of the extra production the pasture-comfort makes possible.

Rust shield prevents partitions rusting off at floor line. Many other valuable features. Widths 3 ft. 3 in., 3 ft. 4 in., 3 ft. 6 in. Finished grey enamel.

No. 10. Stall, less stanchion, sure stop, adjuster and rust shield. Each \$7.80.

Star Adjustable Stanchions

No. 486. Giant wood lined with double lock and guide. Each \$4.65.

No. 1285W. Wood lined with single lock and guide. Each \$3.95.

No. 452. Have maple uprights, double lock and guide. Each \$3.00.

No. 1211W. Wood lined with single lock and guide. Each \$3.35.

No. 1211. Unlined all steel with single lock and guide. Each \$2.80.

Stanchion fastenings extra. Specify for wood or cement.

Louden Barn Equipment

Thousands of barns in this and in other countries have been fitted with Loudon Equipments, not as a result of special advertising nor a superior selling organization but because of the sterling quality of the Loudon goods.

No. 812. Double-Post Cow Stall Each \$13.45

No. 861. Tubular Steel Stanchion with Chain Guide 4.60

No. 937. Wood Lined Steel Stanchion 4.60

No. 862. U Bar Steel Stanchion 3.75

No. 863. U Bar Wood Lined Steel Stanchion 3.95

No. 1442. Closed Top Adj. Steel Stanchion 2.80

No. A699. Stanchion Fastenings for Wood15

No. 1523. Master-Made Water Bowl Complete 4.10

No. 1439. Economy Water Bowl Complete 2.70

No. 828. Emancipator Litter Carrier and Tub 58.00

Price on other Loudon Equipment upon request.

McCormick-Deering Ball Bearing Cream Separators

Skim Closer, Turn Easier, Last Longer.

The McCormick-Deering line of cream separators with four ball bearings in each size is another step forward in the progressive program of building better dairy farm equipment.

FOR HAND OR POWER

No. 1. Capacity 350 lbs. per hour \$ 80.00

No. 2. Capacity 500 lbs. per hour 88.00

No. 3. Capacity 750 lbs. per hour 98.00

No. 4. Capacity 1050 lbs. per hour 108.00

Alternating current motors for above. 46.75

Star Litter Carrier

The No. 333 Litter Carrier. Quickest and easiest to raise and lower. Runs easily. Never in the way, always on the job.

Pays for itself in a year or two.

Hoisting shaft is a simple windlass without cogs or gears. Drive wheel bolted to shaft.

No. 6 Tub. Capacity 10 bushels \$49.50

No. 8 Tub. Capacity 12 bushels 51.50

No. 240 Star Water Bowl

Give the cows a fresh drink any time day or night, when they want it. A cow must drink $4\frac{1}{2}$ gallons of water for every gallon of milk she produces. Each \$3.25.

Warriner's Patent Chain Cattle Stanchions



Used in a large number of stables. A short chain secures the fastener to the top beam so that it suspends $1\frac{1}{2}$ inches clear of the bottom sill. It is also fastened to the bottom sill by a chain to allow it a free and easy motion and rotation, giving the cattle freedom. Each \$2.75, doz. lots \$30.00.

Cast Iron Feed Box

Price \$3.25. Weight 31 lbs.

Corner Rack

Cast iron \$4.75
Wrought iron 3.75

Roto Salt

Bricks and Holders.

Consists of round container with round salt which automatically feeds down as used.

Salt 25c each. Weight 6 lbs.

Holder 50c. Weight 6 lbs.

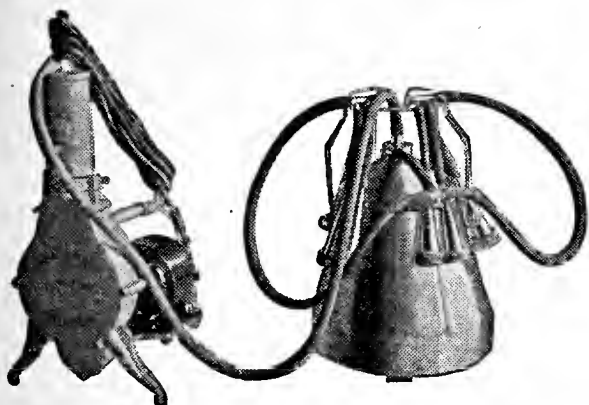
Cattle and Horse Salt Feeders

This method of feeding pure salt to stock has been adopted in the largest stables and grows in favor daily. Salt brick, 25c each, weight 5 lbs. each; \$2.50 per doz. Salt brick holders, 50c, weight 3 lbs.



Ross' Farm and Dairy Equipment

Hinman Electric Milker



A complete milking equipment, no installation. Operates from any electric light circuit, either direct or alternating current. It is a light, portable unit, containing the famous Hinman designed pump with relief valve. All moving parts are enclosed and all that is necessary to do is to attach plug, turn on current and milk. Let us give a demonstration.

Hinman Electric Two-Cow Milker	\$128.00
Hinman Easy to Clean Milker	88.00
Hinman Milk-Master Pipeline Milker Model No. 80 Unit..	80.00
Hinman Milk-Master Pipeline Milker Model No. 90 Unit..	90.00

Get our price on complete installation.

New England Distributors for Hinman Milkers and Parts

The Rice Calf Weaner

Small 65c, medium 95c, large \$1.25. Weight each, 1 lb.

Old Hickory Smoked Salt (Sugar Cure)

Ready to use. For Curing Hams. 9-lb. cans, \$1.00 each. Postage extra.

Stewart Clipmaster Animal Clipper



The Clipmaster is quiet running and powerful and it's the world's most economical animal clipper, both in first cost and upkeep. Costs only one-quarter of a cent per hour to use. Mailing weight 7 lbs.

J2. Strap Handle\$15.00

Flexible Shaft Hand Power Clipper For Cattle and Horses

Weight 15 lbs.	\$12.50
Top-plate, weight 1 lb.	1.25
Bottom plate, weight 1 lb.	1.75

Varnished Cylinder Churns

Designed for those having a small dairy.

No. 0. Capacity 1 gallon. Weight 12 lbs.	\$3.75
No. 1. Capacity 2 gallons. Weight 13 lbs.	4.25
No. 2. Capacity 4 gallons. Weight 16 lbs.	4.85
No. 3. Capacity 6 gallons. Weight 18 lbs.	5.50
No. 4. Capacity 8 gallons. Weight 20 lbs.	6.50

Hinman Groomer

Here is a new, quick and convenient way of taking all that dirt from your cows, bagging it ready for removal from the stable. Contrast this with hand grooming which simply removes only top dirt and broadcasts it over other animals. Get more milk with less bacteria by using the Hinman Groomer—in use in hundreds of well known dairies and stables.

Hinman Senior Groomer	\$130.00
Hinman Junior Groomer	78.00

Mixing Can

Heavy Tin Mixing Can with removable strainer hoop and faucet. 6, 8, and 10 can.

6 can	\$16.00
8 can	16.50
10 can	17.00

12-Quart Strainer



(Perforated Bottom)

Top diameter 12½-in., neck 5⅝-in. Uses 6 or 6½-in. Cotton Discs. Instead of a loose perforated disc to lay on the bottom, this Strainer has the bottom, itself perforated same as the disc. It does away with one loose part and strengthens the bottom. Equipped with one Convex Perforated tinned disc and a spring wire clip. Mailing weight 6 lbs. Price \$2.25.

Cotton Discs

6 in. 300 to carton. Mailing weight 3 lbs. Price	\$1.25.
6½ in. Price,	\$1.50.

Buckley's Patent Watering Device

For Watering Stock in Stables.

Price: Each \$2.10, per doz. \$24.00.

The Ideal Milk Cooler

Thoroughly cools the milk and at the same time aerates it perfectly, so that it is ready to ship or peddle at once. No time is lost in stirring morning's milk and getting it ready for customers, as it is cooled as fast as milked.

No. 2. Suitable for 10 to 15 cows	\$10.00
No. 3. Suitable for 25 to 40 cows	12.00

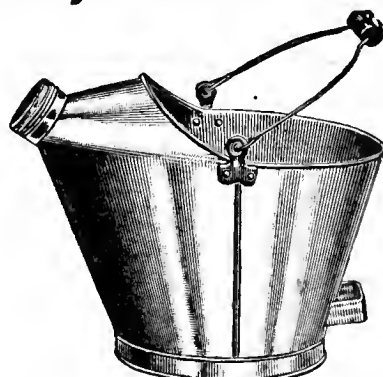
Milk Pails

Very heavy tin milk or cream pails. Riveted ears.

12 quarts	\$0.90
14 quarts	1.00

Weight each, 5 lbs.

Quality Milk Strainer Pail



Screw Spout, made of extra heavy tin, easy to clean and keep in repair. Weight 6 lbs. Price \$2.75.

Ross' Farm and Dairy Equipment

Milk Cans

Hi-Grade Cans with wood Bungs.

No. 1—8 quarts. Heavy	\$1.80
No. 1—10 quarts. Heavy	2.00
No. 3—8 quarts. Light	1.65
No. 3—10 quarts. Light	1.85
Mailing weight, each 8 lbs.	

Milk Kettles

Bail Handle and Tin Top.
Mailing weight.

4 quarts.	4 lbs.	\$1.00
6 quarts.	4 lbs.	1.50
8 quarts.	6 lbs.	1.75
10 quarts.	8 lbs.	2.00

Savory Hooded Sanitary Milk Pail

Steel Clad Pattern. Heavy re-tinned wire bail. Hood is convex design and has approved 9½ x 5 inch opening. 15-quart. Mailing weight 15 lbs. Price \$2.25.

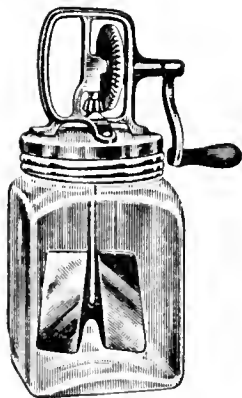


Gem Combination Milk Bucket

With Removable Strainer.

Can be used for milk with strainer, or the strainer can be removed by a single turn of the latch and the bucket used for any other purpose.

	Each
10 quarts	\$1.25
12 quarts	1.40
14 quarts	1.65
Weight 3 lbs.	



Glass Churn

Whips cream, beats eggs, makes butter, etc.

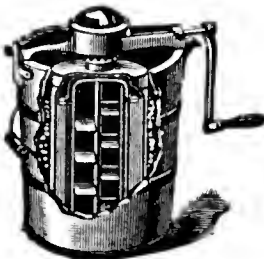
2 quarts. Weight 7 lbs.	\$2.25
4 quarts. Weight 10 lbs.	3.00

Extra glasses, 75c and \$1.25.

Universal Milk Bottles

	Doz.	Gross
1 quart	\$0.90	Ask
1 pint	.70	for
½ pint	.60	Prices

Prices on plain and colored lettered ware quoted on request.



White Mountain Ice-Cream Freezer

Qt.	Weight	Price
1	6 lbs.	\$3.25
2	10 lbs.	3.75
3	12 lbs.	4.25
4	14 lbs.	5.00
6	20 lbs.	6.50

Bottle Brushes

Add for postage 5c each.

No. 305. 10 in. Hickory Handle Bristle Brush	\$0.45
No. 611. Grey Hair	.60
No. 309. Machine Brush, 5 in. grey hair, handle tapered	.60

Leather Halters

No. 11. Russet Cow Halter, 1¼-inch, sewed and riveted. Weight 2 lbs.	\$1.50
No. 2. Russet Horse Halter, 1-inch riveted. Weight 2 lbs.	1.75
No. 5. Russet Horse Halter, 1¼-inch, sewed and riveted. Weight 4 lbs.	2.75

8 BAR, SOLID BACK, ENAMELED CURRY COMB.	\$0.30
REFORM CURRY COMB. Three rows of crimped oval steel cleaners	.25
Add postage, 5c each.	

Butter Bowls

Made of polished maple.	
13 inch. Mailing weight 3 lbs.	\$0.60
15 inch. Mailing weight 4 lbs.	.75
17 inch. Mailing weight 7 lbs.	1.25
19 inch. Mailing weight 10 lbs.	1.75

LARGE BUTTER SPAT	\$0.25
Postage 5c extra.	
SMALL BUTTER SPAT	.15
Postage 5c extra.	
CORRUGATED BUTTER SPAT	.15
Postage 5c extra.	

Butter Paper

This parchment butter paper is used by most of the butter packers. Made of very strong fibre and will stand any amount of hard use.

Cut 8x11 in., for ½-lb. molds	\$0.30
Cut 9x12 in.	.30

Bottle Caps



Stock printed designs.	
Per box of 1000. Weight 3 lbs.	\$0.55
Per box of 5000. Weight 15 lbs.	2.50
Pull Caps with wires. Packed in tubes of 500. Per 1000. Weight 4 lbs.	.65
Prices on special printed caps packed in tubes or bulk for 50,000 or more quoted on request.	

Blanchard's Butter Molds

Initial engraved, 25c extra per initial. Weight 1 lb.	
½ lb.	\$0.85
1 lb.	1.00
2 lbs.	1.25

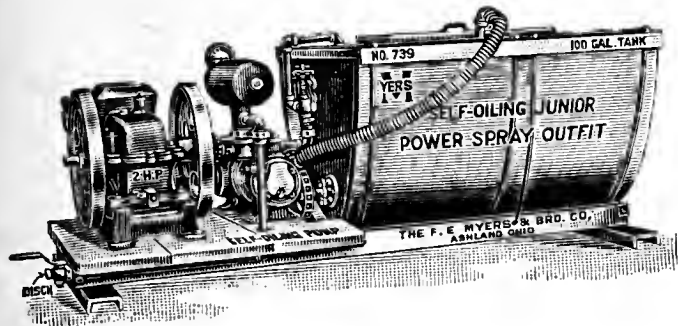
Bottle Carriers

Flat Wire:	
6 1-qt. Bottle Carrier. Weight 5 lbs.	\$1.50
8 1-qt. Bottle Carrier. Weight 6 lbs.	2.00
Round Wire:	
6 1-qt. Bottle Carrier. Weight 5 lbs.	1.25
Add postage for your zone. See inside of front cover.	

Each	
B. T. B. DISINFECTANT. A reliable disinfectant against tuberculosis germ. Non-poisonous, colorless, effective. Will not taint dairy products. One pound makes 12 gallons of disinfectant. 2½-lb. can	
HEXSOLIS. A saponified Cresol disinfectant for official disinfecting cow barns, etc. Dilutes 1 gallon to 32 gallons of water. 1 gal.	2.00

Sprayers for Garden and Farm Use

Myers Self-Oiling Junior Spray Outfit



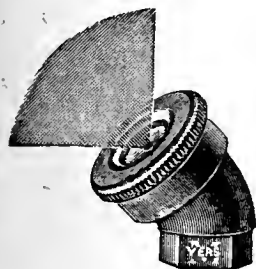
Fitted complete with 2 H. P. engine and self-oiling pump. Equipped with one spray gun, 50 feet of $\frac{1}{2}$ -inch high pressure hose, single cutoff for discharge lines, pressure gauge, rotary agitator, pressure regulating valve, strainer and suction hose.

No. 739. Myers Self-Oiling Junior Spray Outfit. With 100-gal. Cypress Tank equipped as above. Price \$233.00. 5% discount for cash.

The Myers Whitewash, Cold Water Painting Machine and General Purpose Sprayer

No. R329. Holds 7 gallons. Price \$12.50.

Nozzles



Fembro 45 degree nozzle. 80c; or 85c, postpaid.

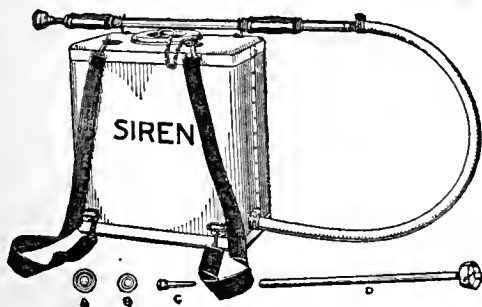


Fembro straight nozzle. 70c; or 75c, postpaid.

Bordeaux Nozzle for Spraying

This nozzle will throw a fine fan-shaped spray and will readily free itself should it become clogged by turning cock-handle. It will throw a solid stream or it may be shut off altogether if desired. Price \$1.10. Weight 1 lb.

Brown's Siren A Outfit



Brown's Siren A Outfit has been especially designed for use as a fire-fighting machine, although it is useful for agricultural purposes. The tank has a capacity of 5 gallons, made of strong copper bearing galvanized steel sheet. The No. 5 pump is double acting, made of brass, and will easily generate a pressure of over 200 pounds.

Brown's Siren A Outfit. Complete with pump\$8.50
Shipping weight 11 lbs.

No. 5. Pump only 3.55
Shipping weight lbs.

Myers Self-Oiling Junior Low Down Power Spray Rig With All Steel Short Turn Truck

Specially designed for the farmer with a small orchard who raises fruit for his own use, or for spray rings or community spraying where several farmers combine to do their own spraying or hire one of their members to spray for all.

EQUIPPED AS FOLLOWS

One No. 11 Myers spray gun, 50 feet of $\frac{1}{2}$ -inch Myers high pressure hose with fittings complete, single cut-off for discharge lines, pressure gauge, rotary agitator, pressure unloading valve, strainer and suction hose.

No. 754. Myers Self-Oiling junior low down power spray rig, 100-gal. tank and No. 696 self-oiling double acting pump, chain driven, 2 H.P. engine included in this price. \$295.00. 5% discount for cash.

The Myers Compressed Air Sprayer

Heavy galvanized iron or brass. The side walls are double scamed, riveted and soldered. The top and bottom are extra heavy material with flanged edge over which the side walls are turned and thoroughly soldered. Has $1\frac{3}{4}$ -inch brass tube cylinder. The nut is operated by lugs on the lower part of the handle, which engage in opening at the top of the nut.

No. 2297. $4\frac{1}{4}$ -gal. galv. tank\$5.50

No. 2297B. $4\frac{1}{4}$ -gal. brass tank... 9.50
Shipping weights 13 lbs.

No. 2296. $2\frac{1}{2}$ -gal. galv. tank.... 4.75

No. 2296B. $2\frac{1}{2}$ -gal. brass tank... 8.50
Shipping weights 10 lbs.



Brown's Auto Spray Pumps



No. 9C. Copper tank, corrosion proof. 4 gals.\$9.98

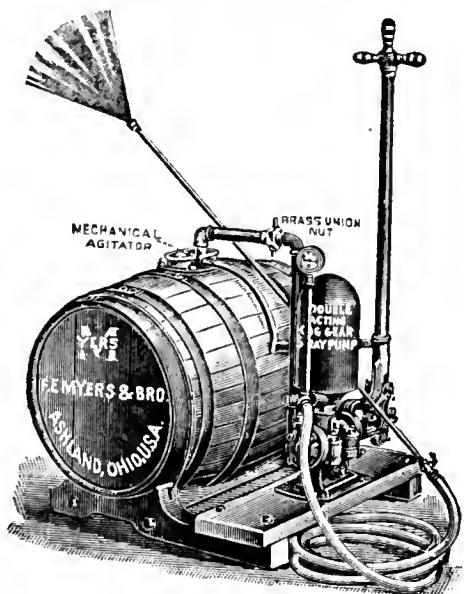
No. 9A. Galv. tank, corrosion proof. 4 gals. 6.65
Shipping weight 12 lbs.

No. 91B. Blue Ribbon brass tank. $3\frac{3}{4}$ gals. 7.65
Shipping weight 10 lbs.

No. 79D. Blue Ribbon Jr. galv. tank. 2 gals. 3.95
Shipping weight 7 lbs.

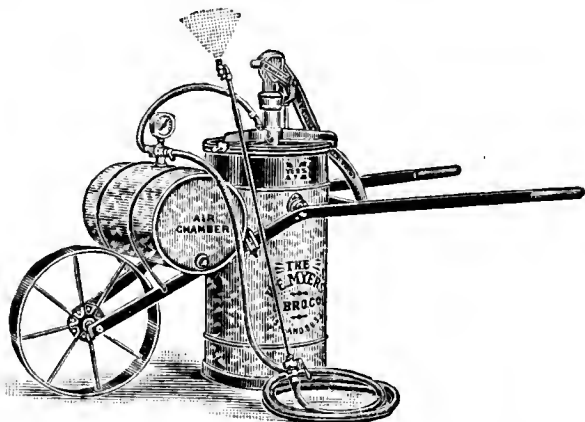
Sprayers for Garden and Farm Use

Myers Cog Gear Spray Pump Double Acting



No. R316B. Pump complete, 50-gallon barrel mounted as shown, with pressure gauge, one 15-ft. lead of $\frac{3}{8}$ -inch 7-ply discharge hose, one Fernbro Fig. 1290 nozzle, one 8-ft. pipe extension with lever shut-off and mechanical agitator. Price \$54.00.

The Myers Portable Sprayer



Portable Sprayer with 6-gallon Air Chamber which assists in keeping up a steady spray with less effort by the operator. It will hold the pressure and continue to spray for several minutes while the operator leaves the pump to cover nearby trees. The pump is fitted with cog gear handle, is securely attached to the tank by means of a clamp connected direct to the channel iron that surrounds the top of the tank, held in position by one thumb screw. The handle can be located at any point desired.

No. R339 $\frac{1}{2}$ B. Myers Handy Portable Sprayer, complete as shown with Air Chamber, Pressure Gauge, Dasher Agitator, 15 feet $\frac{1}{2}$ -inch 5-ply Discharge Hose, 8-ft. Pipe Extension with Lever Cut-off and Vermorel Nozzle. Wheel 15 $\frac{1}{2}$ x3 inch. Price \$40.00.

No. R336 $\frac{1}{2}$ B. Without pressure tank. Price \$25.00.

Myers Spray Guns



Illustrates the Spray Gun. This gun discharges a long distance spray, by means of which the top of the highest fruit tree can be reached, a slight turn of the handle widens the spray and another short turn throws off spray entirely when ready to move to next tree.

No. 10. Gun without hose swivel	\$ 6.50
No. 11. Gun with hose swivel	7.50
No. 33. Triple spray gun without hose swivel	8.75
No. 34. Triple spray gun with hose swivel	9.75
No. 43. Quadruple spray gun without hose swivel	9.75
No. 44. Quadruple spray gun with hose swivel	11.00

Myers Cog Gear Barrel Spray Pump



No. R318B. Myers Cog Gear Barrel Spray Pump. Complete, with one lead of 15 feet of $\frac{1}{2}$ -inch 5-ply discharge hose, graduating Vermorel nozzle, and mechanical agitator. Price \$16.00. 8-ft. Pipe Extension extra, 75c. Price: Complete, all set in barrel, with 8-ft. extension, \$20.50.

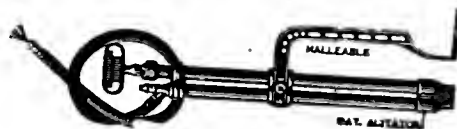
The Myers Perfect Knapsack Spray Pump

Weight 16 lbs.

No. 1330. Galvanized\$12.50

No. 1331. Brass 18.00

Myers Little Giant Bucket Pump



No. 327 $\frac{1}{2}$. Little Giant Brass Spray Pump, with agitator, complete with hose and Imperial combination. Fine, coarse spray and solid stream nozzle, with malleable foot rest. Price \$3.75. Weight 6 lbs.

Little Midget Sprayer



This is a small size atomizer for use in the home or poultry house.

No. 331. Little Midget. Pint size. 25c each. Weight 2 lbs.

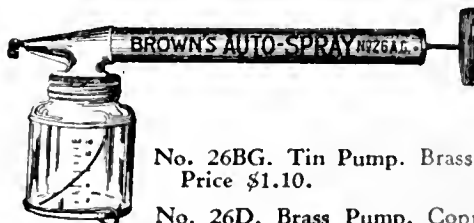
No. 326. Quart size. 50c each. Weight 3 lbs.

The Acme Atomizer



A good atomizer for use with all disinfectants, insecticides, etc. Price: Tin 60c, with galv. cup 75c, with brass cup 90c. Mailing weight 3 lbs.

Brown's Continuous Auto Sprayers



No. 26BG. Tin Pump. Brass cone, glass container. Price \$1.10.

No. 26D. Brass Pump. Copper tank. Price \$1.60.

No. 26A Tin Pump. Tin tank. Price 75c. Mailing weight 4 lbs.

Farm and Garden Implements

SKYSCRAPER
RUBBISH BURNER

E. 27"x16"x16", wide mesh	\$ 3.50
DD. 27"x14"x14", close mesh	3.75
EE. 27"x16"x16", close mesh	4.50
3E. 30"x30"x20", close mesh	6.75
4E. 36"x24"x24", close mesh	11.25

Step Ladders

Paris Step Ladders. These ladders are made by the Paris Mfg. Co., which is sufficient guarantee for their adaptability and workmanship. Every ladder heavily trussed and reinforced. We carry all lengths.

3 ft.	\$1.80
4 ft.	2.40
5 ft.	3.00
6 ft.	3.60
7 ft.	4.20
8 ft.	4.80
10 ft.	6.00

Columbia Fruit Step Ladder

This Fruit Step is the latest, strongest, best and most practical fruit step on the market. Made from clear spruce; steps reinforced with truss rods. Made in 5, 6, 8, 10, and 12-ft. lengths. Per ft. 65c.

Extension Ladders

Made from white spruce and recommended by telephone and telegraph folks who use these. Allow 4 ft. for lap.

Ft.	Per Ft.
20 to 32	\$0.40
34 to 40 .....	.42
42 to 44 .....	.45

Common Taper

Made of white spruce. Very strong and durable.

Ft.	Per Ft.
8 to 20	\$0.30
22 to 24 .....	.38

Closed Top Fruit

This Ladder manufactured purposely for fruit picking. Upper section closed or pointed at top to run up in thick branches of trees. 10 to 22 ft., per foot 39c.

Success Ash Sifter

Keep the Home Fires Burning, but sift your coal and save every piece.

Rightly named, for it does the work in half the time with no dust or noise and with very little work.

No. 1. Family size\$2.50

Plain Galvanized Ash Can

No. 1. 17x25 in. A medium weight can suitable for all purposes. Used by the poultrymen for grain cans and the like..\$1.65

No. 020. 17x25 in.1.10

Corrugated Galvanized Ash Can

Ajax. 18x26 in. A medium weight can, corrugated, which makes it extra strong\$3.75

Covers60

Buck Saws

Great Northern Wood Saw. Natural wood, narrow blade....\$1.75

No. 305. Red frame. 2-inch blade 1.00

Saw Bucks

Price: Each 75c.

Pruning Saws



No. D-27. 26 in. Mailing weight 3 lbs.\$3.50



No. 19. 18 in. Mailing weight 2 lbs.\$2.00



No. 15. Blade 14 in. Mailing weight 3 lbs.\$2.00
Extra blade25



No. 4. 16 in. Mailing weight 2 lbs.\$1.65
18 in. Mailing weight 2 lbs. 1.75

Tree Saws



Simonds Hollow Back Pattern. 5 ft., \$3.25; 5½ ft., \$3.55; 6 ft., \$3.85.

Same as above, only two gauges thinner on back. 5 ft., \$3.60; 5½ ft., \$3.95; 6 ft., \$4.30.

Common V-Tooth. 5 ft., \$2.55; 5½ ft., \$2.80; 6 ft., \$3.05.

Handles extra. 65c per pair.

One Man Saws



3 ft., \$3.00; 3½ ft., \$3.50; 4 ft., \$3.90.

The HKP Forester Pruner

The Forester has the patented slide-shift power slot (McKinney type). Powerful and ruggedly built for lifetime use.

Each
No. 1. 20 in. long. Capacity 1 3/16 in. Wt. 2 lbs. 10 oz...\$4.25
No. 2. 27 in. long. Capacity 1½ in. Wt. 4 lbs. 10 oz... 5.50
No. 3. 34 in. long. Capacity 2 in. Wt. 7 lbs. 4 oz... 7.00



Farm and Garden Tools

The Following is a Partial List of the Large Line of Hand Tools We Carry.

IN ORDERING, GIVE NAME, NUMBER AND SIZE.

TRUE TEMPER HOES

8-in. Field Socket	\$1.25
8-in. Field Shank	1.10
8-in. Meadow Socket	1.30
9-in. Meadow Socket	1.35
8-in. Meadow Shank	1.15
9-in. Meadow Shank	1.20
Ladies' .....	.90
Boys'	1.00
Square Top Onion	1.10
9-in. Mortar	1.40
10-in. Mortar	1.50

ARLINGTON SLIDE HOE

6 in.	2.25
8 in.	2.35
9 in.	2.45
10 in.	2.50

SUNNYSIDE HOE

The best strawberry hoe. Mailing weight 4 lbs.	1.20
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TRUE TEMPER MANURE FORKS

5-Tine, Iron D Handle, Plain	1.75
5-Tine, Long Handled, Strapped	1.85
5-Tine, Iron D Handle, Strapped	1.85
5-Tine, Wood D Handle, Strapped	2.15
6-Tine, Iron D Handle, Plain	2.00
6-Tine, Long Handle, Strapped	2.10
6-Tine, Iron D Handle, Strapped	2.10
6-Tine, Wood D Handle, Strapped ..	2.40

TRUE TEMPER SPADING FORKS

4-Tine, Iron D Handle, Strapped ...	1.50
4-Tine, Wood D Handle, Strapped ..	1.80
4-Tine, Long Handle, Strapped	1.60
5-Tine, Iron D Handle, Strapped ...	2.35
5-Tine, Wood D Handle, Strapped ..	2.65

GARDEN FORK

No. 300, 3-Tine, Mailing weight 2 lbs.50
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TRUE TEMPER COKE FORKS

10 Tines, 1 1/4 in. between Tines ...	\$3.15
12 Tines, 1 1/4 in. between Tines ...	3.65

GRASS SCYTHES

Mailing weight 3 lbs.	
True Temper	1.85
Black Hawk	1.85

BUSH SCYTHES

Bush Scythes	1.85
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SCYTHE SNATHS

Ash Grass	1.50
Bush Snaths	1.75

TRUE TEMPER STEEL RAKES

12 Tooth	1.15
14 Tooth	1.15
16 Tooth	1.25

Add postage for your zone.

WOODEN RAKES

3 Steel Bow Hay Rake, 14 teeth ...	\$0.85
3 Steel Bow Lawn Rake, 28 teeth ...	1.00
Drag Rake	2.00

WIRE LAWN RAKE

Queen Reversible Wire Lawn Rake, with handle, Mailing weight 4 lbs.90
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GUMFINGER LAWN RAKE

The only rake with rubber teeth.	
16 in. Mailing weight 3 lbs.	1.00
20 in. Mailing weight 4 lbs.	1.25

ROUND TOOTH BRUME RAKE

No. RBR18. Mailing weight 5 lbs.95
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FLAT TOOTH BRUME RAKE

No. FBR22. Mailing weight 5 lbs.95
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TURF EDGER

For lining walks, etc. Mailing weight 5 lbs.	1.25
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BORDER AND LAWN SHEARS

Long Handle Border Shears with one wheel	4.25
Long Handle Lawn Shears with two wheels	4.50

GOODWIN GRASS SHEARS

This up and down shear is easy to operate. Made strong and cannot get out of order and is the right way to trim the grass. Polished. Weight 2 lbs. Each	1.50
Goodwin, Jr.	1.00

GRASS SHEARS

No H9. 12 in., bevel steel blades, mailing weight 2 lbs.60
---	-----

GRASS SHEARS

35c and 75c.
Add 10c for postage.

GARDEN TROWEL

Solid steel with offset shank. Mailing weight 2 lbs.90
---	-----

STEEL GARDEN TROWEL

Long Handled. Mailing weight 2 lbs.	
No. 2120 .....	.45
Short Handled. Mailing weight 2 lbs.	
No. 211 .....	.75

GARDEN TROWEL

No. 21235
Mailing weight 2 lbs.	

CHEAP TROWEL

6 in. Mailing weight 2 lbs. No. 213.18
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WEEDING HOOK

3-Tine. No. E. Mailing weight 2 lbs.45
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IDEAL WEEDER

Postpaid30
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DIAMOND WEEDER

Mailing weight 2 lbs.	\$0.25
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SECOR WEEDER

Price 15c.
Postage 5c extra.

GARDEN SETS

Children's No. 1—3 pieces25
Children's No. 2—3 pieces .....	.35
Children's H. F.—4 pieces .....	.95
Mailing weight 5 lbs.	
Ladies' 4-piece True Temper	2.65

DIBBLE

Cast .....	.75
With wood handle. Mailing weight 2 lbs. ....	.75

WATERING POTS

4 qt. Weight 3 lbs. ....	.75
6 qt. Weight 3 lbs. ....	.85
8 qt. Weight 4 lbs. ....	.95
10 qt. Weight 4 lbs.	1.00
12 qt. Weight 6 lbs.	1.15
16 qt. Weight 8 lbs.	1.45

GARDEN REEL

No. 1. Small. Mailing weight 4 lbs.	1.50
No. 2. Large. Mailing weight 5 lbs.	2.50

GARDEN LINE

96 ft. Mailing weight 1 lb.	1.00
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ASPARAGUS KNIFE

No. 94. Goodell. Mailing weight 1 lb.40
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STEEL BLADE TREE SCRAPER

Weight 2 lbs.	1.00
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STEEL GRAFTING CHISEL

Mailing weight 1 lb.	1.10
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PEERLESS FRUIT PICKER

Mailing weight 3 lbs.50
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BOUQUET HOLDER

Iron. Mailing weight 3 lbs.	65c. .75
Tin, painted green. Mailing weight 1 lb.15
Glass, with holder. Mailing weight 3 lbs. ....	.90

PUSH BROOMS

5 rows, 16 in., Rattan	1.50
5 rows, 16 in., Bass	1.50
Mailing weight, each, 5 lbs.	

COW TIES

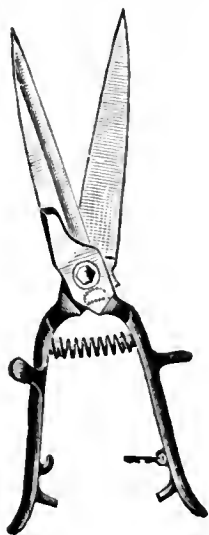
3 1/2 ft. Mailing weight, 3 lbs. ....	.45
4 ft. Mailing weight, 3 lbs. ....	.50

CATTLE CARDS

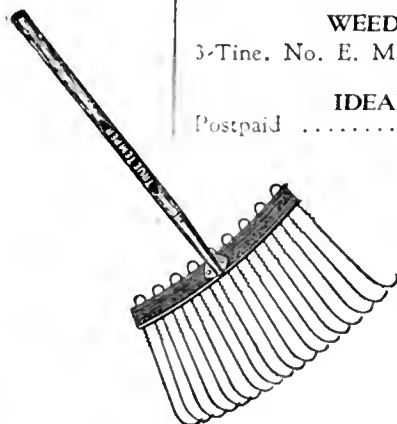
Postage extra, 5c each.	
Small Card, backed with leather .....	.25
Large Card, backed with cardboard ...	.35

CANT HOOKS

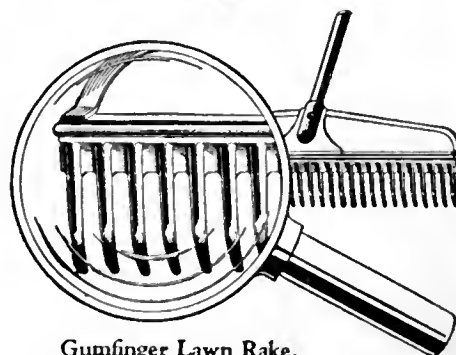
3 1/2 ft.	2.60
4 ft.	2.75



No. H9
Grass Shear.



Round Tooth
Brume Rake.



Gumfinger Lawn Rake.



Flat Tooth
Brume Rake.

Farm and Garden Implements

"Pexto" Pruning Shears



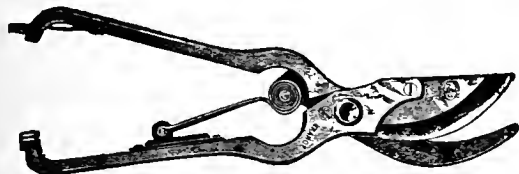
No. 5 Pruning Shears.

- No. 5. 9 in. Cast iron handles, blue steel blade. Each\$0.50
 No. 50. 9 in. Malleable iron handles, black tool steel blade.. .75
 No. 505. 9 in. Solid forged steel, red handles. Each 1.00
 No. R505. 9 in. With regulating ratchet bolt. Each 1.25
 No. R605. 9 in. Solid forged steel, red handles. Each 1.40
 No. 605. 9 in. Without regulating ratchet bolt. Each 1.25



No. 50 Pruning Shears.

French Pruning Shears



Forged tool steel blade, drop forged handles.

- 7 in.\$1.95
 8 in. 2.00
 9 in. 2.25
 10 in. 2.50

"Tiffany" All Steel Tree Pruners

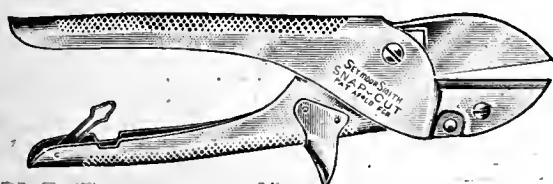


Cuts from both sides of the limb and does not bruise the bark. Cuts 1½-inch limbs with ease. Light, powerful and practical. The blade has the draw cut principle and cuts very smooth.
 Length 20 in. Weight 2½ lbs. Postpaid\$2.75
 Length 25 in. Weight 3 lbs. Postpaid 3.00
 Length 30 in. Weight 3½ lbs. Postpaid 3.50

Clyde Pruners

The Clyde Drawcut Pruners produce a powerful sliding cut movement of the blade. The blade hook and shank are forged from tool steel.
 No. 5409½. 24 in. Strapped ash handles\$2.00
 No. 5403. 22 in. Drawcut, strapped ash handles 3.00
 No. 5402. 24 in. Drawcut, strapped ash handles 3.50

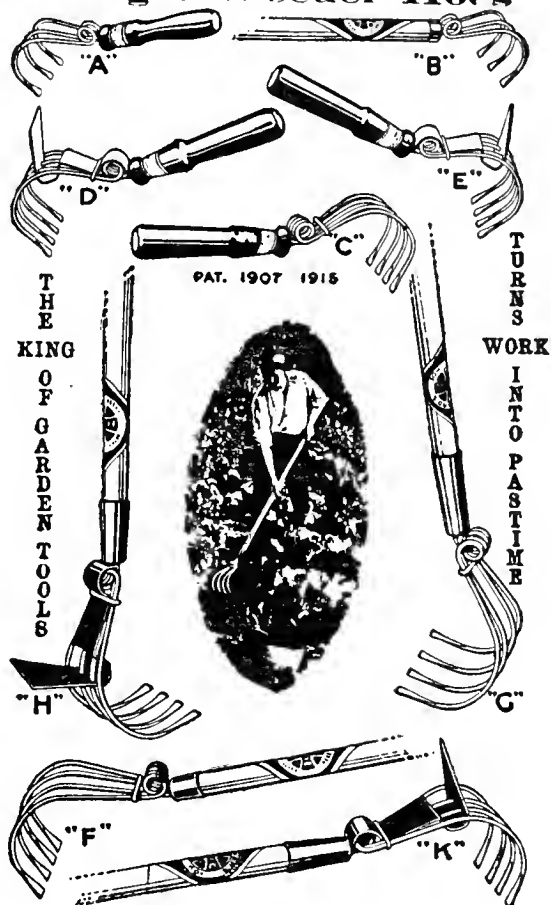
Snap Cut Pruner



For every householder, gardener, fruit grower and farmer.
 Postpaid\$1.75

Magic Weeder Hoes

REICHARD'S
 COMBINATION SPRING-TOOTH
 Magic Weeder Hoes



Specifications and List Prices:

Style	Length of Handles	Price each	Postpaid each
A	5¼ in.	\$0.15	\$0.25
B	18 in.	.20	.30
BB	36 in.	.30	.40
C	5¼ in.	.30	.40
D	6 in.	.45	.55
E	6 in.	.45	.55
F	42 in.	.65	.80
G	48 in.	.90	1.05
H	48 in.	1.10	1.25
K	48 in.	1.10	1.25

Hedge Shears

- No. 15. 9 in. Notched and serrated\$2.25
 No. 10. 9 in. Notched only 2.00
 No. 201. 8 in. Notched only. Handy hedge shears 1.00

Orchard Pruners

"The Pruner with the Sliding Handle."

- 8 ft.\$2.35
 10 ft. 2.60
 12 ft. 2.85
 14 ft. 3.10
 16 ft. 3.35

Norcross Hand Garden Cultivators



- A very handy garden tool. Mailing weight 3 lbs.
 5 prongs\$1.10
 3 prongs85
 Hand50

Farm and Garden Implements

Cincinnati Bucket Pump

We will guarante it to purify any well in five days, or we will refund the money. Cannot freeze. Can be set up without going below platform.
For 10-ft. well\$12.50
For each additional foot of well add50

Round End Stock Watering and Storage Tanks

Well braced. These prices f. o. b. Worcester or delivered by freight to your nearest station from the factory.

	Wd., ft.	Hgt., ft.	Lgt., ft.	Cap., bbl.	Wt., lbs.	
101	2	2	4	3	65	\$ 8.00
102	2	2	5	3 3/4	75	10.00
103	2	2	6	4 1/2	90	11.75
104	2	2	7	5 1/2	105	12.75
105	2	2	8	6 3/4	120	14.00
108b	2 1/2	2	6	5 3/4	110	12.50

Furber Wood House Pump

6x6, 3 1/2 in. bore.

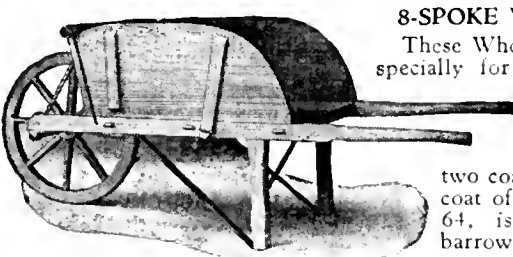
7 ft. porcelain lined	\$11.25
7 ft. Unlined	9.25
8 ft. Porcelain lined	12.00
8 ft. Unlined	10.00
Tubing, 4x4. Per ft. ....	.35
Coupling and bands for the above. Each	1.00

Rubber Bucket Chain Pump

They are the best cheap pumps.

Curbs. Each	\$6.00
Chain (3 ft. to 1b). Per lb. ....	.15
Wood Tubing. Per ft. ....	.20
Rubber Buckets .....	.15

Garden Wheelbarrow



8-SPOKE WOOD WHEEL
These Wheelbarrows are made specially for us, are well constructed throughout, of hardwood, and strongly ironed. Finished with two coats of paint and one coat of varnish. This, No. 64, is the best garden barrow on the market.

No. 64. Barrow (as shown). Painted green. Price, \$6.50 each.
No. 5. New Special Garden Barrow (not shown). Painted red with steel wheel. Price, \$5.50 each.



General Utility Steel Tray Barrow

An exceptional Barrow for general use around the home or garden.
No. 21. Price, \$4.95 each.

Contractors Angle Leg Barrow



The very best all around contractor's Barrow made. Tray 27x32 at top. Frame of hardwood and thoroughly braced and bolted. 16 in. steel wheel; tire 1 3/4 x 5/16; 3/8 in. axle. Heavy rod rolled in edge. Weight 70 lbs. each.
No. 17B. Price, \$7.25 each.

TUBULAR ALL-STEEL BARROW. Not illustrated.
No. 25. Price, \$7.75 each.

Picks, Mattocks

No. 8. Contractors' Picks	\$1.25
No. 9. Contractors' Picks	1.50
No. 8. Railroad Picks	1.10
Pick Mattocks	1.10
Long Cutter Mattocks	1.10
Bog Hoes	1.10

Corn Hooks

No. 2CH Yankee Corn Hook	\$0.50
No. 6C Carver's patent plain edge .....	.70
No. 8C. Carver's patent serrated edge .....	.75

Shovels

Our Best Shovels are plain back shovels with Northern Ash X grade handles and will give you the best of service. We also carry the Bantam and Fox, one-piece, solid shank, heat-treated shovels, manufactured by the American Fork & Hoe Company.
No. 2. Our Best Shovels, short or long handle, rd. or sq.\$1.50
No. 3. Our Best Shovels, short or long handle, rd. or sq. 1.55
No. 2. Bantam Shovels, short or long handle, rd. or sq. 1.50
No. 3. Fox Shovels, short or long handle, rd. or sq. 1.55
No. 2. Bantam Spade, short or long handle 1.50

The Handiest Implement on the Farm

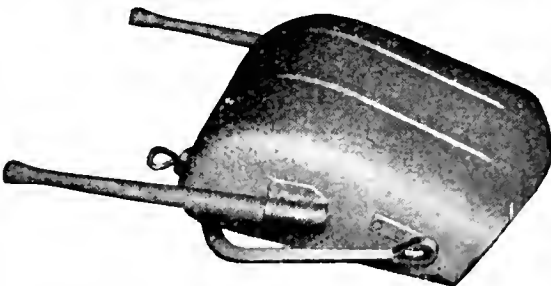
A Good Stone Boat
The front is of high grade tank quality carbon steel, 29 inches or 34 inches wide, firmly bolted and braced to the raves and bottom boards, which are of bone dry hardwood. The raves are painted red and varnished; the bottom boards are oiled with the best quality linseed oil.
29-inch Boat. Length 6 feet 1 inch. Weight 138 lbs.\$14.00
34-inch Boat. Length 7 feet 1 inch. Weight 178 lbs. 16.00
Steel Fronts
29-inch with bolts. Weight 27 lbs. 4.75
34-inch with bolts. Weight 32 lbs. 5.00
40-inch with bolts. Weight 37 lbs. 5.75

ALL WOOD STONE BOAT COMPLETE.
7 feet long 13.50
CAST IRON BOAT HEAD. Price, \$6.50 each. Bolts, 85c per set.

Knot Klipper Axes

2 3/4, 3, 3 1/4 and 3 1/2 lbs. Absolutely guaranteed. Each	\$1.65
Handled with extra 28-in. handle	2.15
Double Bit	2.00
Double Bit Handled	2.40
TRUE TEMPER AXES. 28-in. French handle	2.00
JIM DANDY AXES. 28-in. handles (a good cheap axe)	1.50
BOY'S HANDLE AXES. 26-in. handle	1.35
HOUSE AXES. 19-in. handle	1.35

Steel Scraper with Runners



No. 1. Carries 7 ft. of earth	\$10.00
No. 2. Carries 5 ft. of earth	9.75
No. 3.	9.50

Burlap Hotbed Mats

Made of burlap filled with hair felt. 76x76. Preferred by many market gardeners to the straw mats. Each\$3.50
Waterproof. 76x76. Each 4.00
Straw Hotbed Mats (not shown). 6x6. Each 2.50

Celery Bleaching Paper

Rolls are 10 inches and 12 inches wide. Rolls contain 100 feet and weigh only 30 lbs.
10-in. (100 running feet). Per roll\$2.50
12-in. Per roll 2.75
Price includes wires or arches.
A tasteless, odorless, indestructible water-proof material especially prepared to withstand extremes of heat and cold.

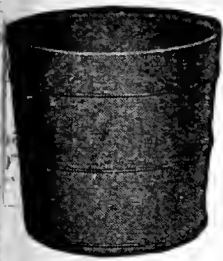
Asparagus Buncher

Mailing weight 5 lbs. Each\$4.25

Farm, Garden and Lawn Supplies

Richmond Plant Tubs

Painted green, round wire hoops.



No.	Top Diam.	Bottom Diam.	Depth	Weight Lbs.	Price
1	6	5	6	1	\$0.55
2	7	5	7	1½	.60
3	8	6	8	2½	.65
4	9	7	9	3¼	.70
5	10	7½	9	3	.80
6	11	8½	10	4	1.00
7	12	9	11	4½	1.20
8	13	10	12	5½	1.50
9	14	11	13	7	1.70
10	15	11½	14	8	1.85
11	16	12½	15	9	2.10
12	17	13½	16	12	2.50

A. B. C. Plant Protector

For Cabbage, Tomatoes and other plants. Packed 1000 in good, strong fiber box. Price, per 1000 (mailing weight 10 lbs.), \$2.50.

Plant Sticks

For pot or garden use. Square, painted green.	Each	100
1 ft.	\$0.01½	\$1.30
1½ ft. ....	.02	1.50
2 ft. ....	.03	2.25
2½ ft. ....	.05	3.25
3 ft. ....	.07	6.00
3½ ft. ....	.09	7.50
4 ft. ....	.10	9.50
5 ft. ....	.16	14.00
6 ft. ....	.18	15.50

VERANDA TRELLIS

High	Width	Each
3 ft.	10 in.	\$0.95
4 ft.	11 in.	1.20
5 ft.	18 in.	1.70
6 ft.	18 in.	2.00
8 ft.	18 in.	2.70
10 ft.	20 in.	3.35
12 ft.	20 in.	4.00

Get prices for Fan Trellis.

Peerless Glazing Points

Per box, 1000 points\$0.75

Tomato Supports

34 inches high, 20 inches in diameter at the top. Price, 35c each; \$3.75 per doz.

Tree Labels

Copper wire, 3½ inches. Weight 5 lbs. Per 1000\$2.75

Pot Labels

	Wt. per 1000	100	1000
4 in.	4 lbs.	\$0.25	\$2.15
6 in.	5 lbs. ....	.30	2.85

Garden Labels

	Wt. per 1000	100	1000
8 in.	14 lbs.	\$0.80	\$7.00
10 in.	17 lbs. ....	.90	8.25

Hotbed Sash

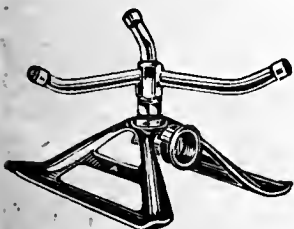
3 x 6 x 1¾ in. With sides projecting, glazed with thick glass painted two coats. \$5.00 each; in lots of 6, \$58.00 per doz.

The Ring Lawn Sprinkler

Weight 1 lb.\$0.75

Little Wonder Rain King Nozzle

Price\$0.85



"Dollar" Lawn Sprinkler

The Dollar Sprinkler stands 4¾ inches high, base 6½ inches by 7¾ inches. Arms are 4½ inches long. The head and arms are of brass, base is finished in Duco. Price, \$1.00. Weight 3 lbs.

Garden Hose



Black Maxecon. This is the best lawn Hose of the B. F. Goodrich Rubber Co., and is featured by them.

25 ft. length, ⅝ in.\$3.00
50 ft. length, ⅝ in. 6.00

Garden Club (Black).

25 ft. length, ⅝ in. 2.50
50 ft. length, ⅝ in. 4.85

Bull Dog Hose. A 7-ply Hose unconditionally guaranteed by the manufacturers, The Boston Woven Hose & Rubber Co.

Bull Dog. 7-ply, ⅝ in. per foot, 15c.

Leader. 5-ply, ½ in. Per foot, 9½c.

Leader. 5-ply, ¾ in. 50-ft. lengths, \$5.50; 25-ft. lengths, \$3.00.

Bull Dog Spray Hose. ½ in., for power spraying up to 500 lbs. pressure. 25c per ft., not coupled.

Milo Spray Hose. ½ in. for hand power. 15c per ft., not coupled.

Long Tail Couplings for spray hose. 75c each.

Rain King Lawn Sprinklers



STANDARD RAIN KING Lawn SPRINKLER

It is the same famous Standard Rain King Sprinkler in every respect. Waters small or large lawns. Height 6 inches. Weight 4 lbs. Price, \$2.25.

THE MAJESTIC "A" RAIN KING SPRINKLER

Stands taller than the Standard Rain King to throw water over tops of nearby plants. Bird bath base attracts feathered songsters. 15 inches high. Weight 12 lbs. Price, \$5.00.

THE A-1 RAIN KING

Amazing value in this sensational Rain King Sprinkler. Height 9½ inches. Weight 6 lbs. Price, \$3.25.

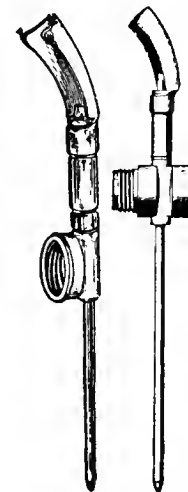
MODEL D RAIN KING

Greatest sprinkler value. Weight 4 lbs. Price, \$2.00.

DOUBLE WHIRLING SHOWER LAWN SPRINKLER

Price90c. Postpaid.....\$1.00

Rip Sprinklers



The master rain maker. Only one moving part. Will not clog nor corrode. Non-friction graphite bearings (patented). Runs on low water pressure.

Spike type. Postpaid\$1.00

Double connection type. Postpaid 1.25

Boston Spray Nozzle

Will throw a spray, a large or a small solid stream. Price, 65c. Postpaid, 70c.

COOPER HOSE MENDER

All brass. ½-in. and ¾-in. 10c each; 90c per doz., postpaid.

SURE GRIP HOSE BAND

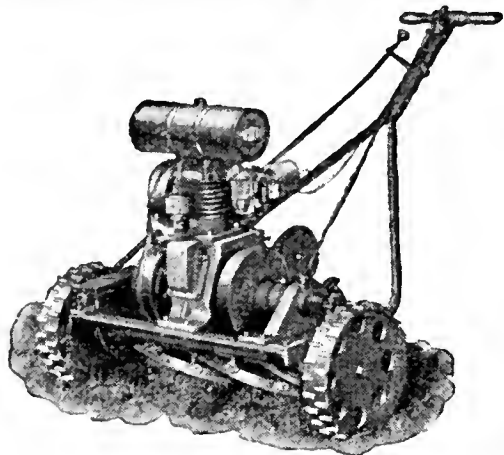
½-in. and ¾-in. 3c each; 2 for 5c, postpaid.

Goodrich Multispray Outfit

This Hose is the Goodrich ⅝-in. Maxecon Hose. A wonderful outfit for sprinkling lawns. The spray heads are built into the Hose, similar to a tire valve. Four sprays are provided in the 50-ft. lengths. A stamped metal support fits over the spray heads and hose to keep it upright. A cap provides a shut-off on the male end. Price, 50 ft. complete unit, \$7.50.

Power and Hand Lawn Mowers

Ideal Power Lawn Mowers



The Ideal "Twenty" is a power mower that instantly meets a fast growing demand for a thoroughly reliable machine for use on grounds too large to be conveniently cut with hand mowers.

Width of cut 20 inches, wheel type\$205.00
Ideal 25-inch Power Mower, wheel type 290.00

The Ideal Junior will nicely care for two or three acres of grass and will prove a paying investment in caring for lawns as small as 150 to 200 feet square. It is a machine especially well adapted to the work in cemeteries.

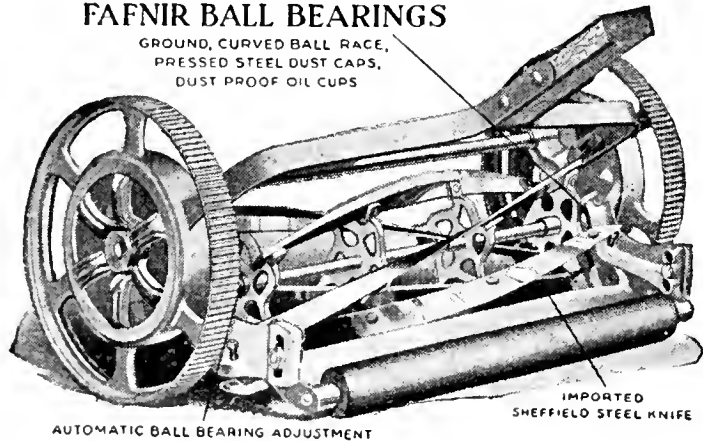
Width of cut 22 inches, roller type\$275.00
Ideal 30-inch Power Mower, roller type 370.00

Hand Lawn Mowers

Knollwood Grand

FAFNIR BALL BEARINGS

GROUND, CURVED BALL RACE,
PRESSED STEEL DUST CAPS,
DUST PROOF OIL CUPS



This machine has 11-inch wheels, five crucible steel draw-cut wiper blades revolving on Fafnir sealed and ground race ball bearings as illustrated. The underknife is constructed of the finest imported Sheffield steel and has a heavy lipped edge. This machine is excellent for parks, cemeteries, large lawns and private homes where the very best in lawn mowers is required.

16 in.\$11.50
18 in. 12.50
20 in. 13.50

Knollwood Junior

Same as "Grand" except that it has a 1-inch lower wheel and 4 blades.

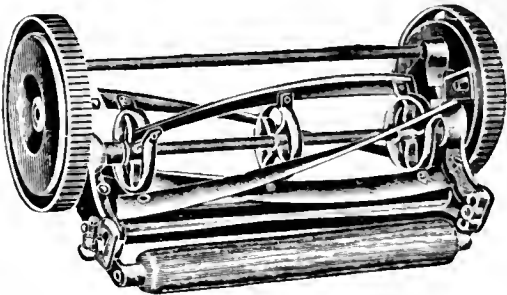
14 in.\$7.50
16 in. 7.85
18 in. 8.25
20 in. 8.75

Easy Emptying Grass Catcher

Galvanized sheet steel bottom, heavy weight duck sides.

16-17G. For 12-17 in. mowers\$1.00
18G. For 16-20 in. mowers1.25
10G. For 12-18 in. mowers 1.50
12G. For 16-22 in. mowers 1.75

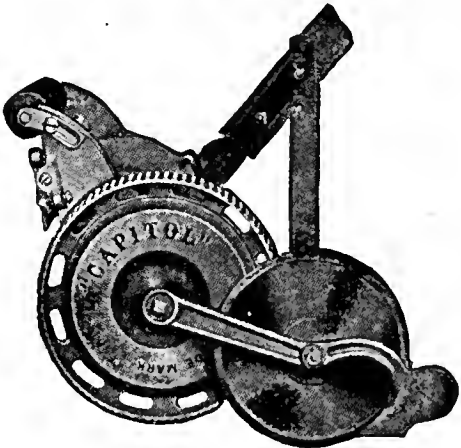
The New Little Giant



The New Little Giant is equipped with 8-inch closed wheels, four crucible steel draw-cut wiper blades, self-adjusting ball bearings. A very inexpensive machine that will give years of satisfactory service.

12 in.\$5.25
14 in. 5.40
16 in. 5.60
18 in. 5.75

The Capitol Lawn Trimmer

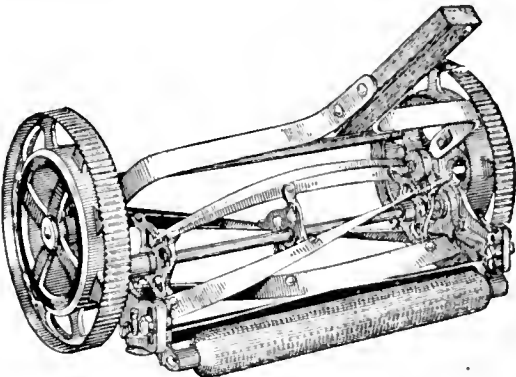


Price, plain\$7.50
Complete with Edger 8.50

Blair Universal Lawn Trimmer

Price\$6.50

Blair Draw-cut Leader



The Blair Draw-cut Leader is a 4-blade, ball bearing machine. Has 10-inch wheels. A wonderful value.

16 in.\$6.35
18 in. 6.75

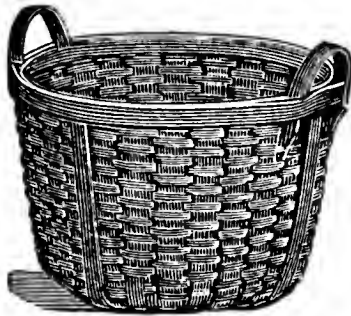
We also offer the Blair Drawcut Leader in a 5-blade machine with 10-inch wheels and ball bearings.

16 in.\$6.75
18 in. 7.15

Baskets and Flower Pots

Pounded Ash Basket

Size	Price
1 bushel	\$1.75
1/2 bushel (drop bail) ...	1.40



Strapped Bushel Basket

Size	Price
4 bushel	\$3.25
3 bushel	2.75
2 bushel	2.00
1 1/2 bushel	1.60
1 bushel	1.35

Woven Picking Basket

Size	Price
1/2 bushel, drop bail	\$0.75
1/4 bushel .....	.65

Diamond Market Basket

A cheap, all around basket; good for everything; indispensable in every household. 15c each; \$1.65 per doz.

Covered Lunch Baskets

No.	Dimensions	Price
1	9 1/2" x 6" x 5"	\$0.65
2	11" x 6 1/2" x 6" .....	.75
3	11 1/2" x 7" x 6 1/2" .....	.80
4	14" x 8 1/2" x 6 1/2" .....	.90
5	15 1/2" x 9" x 7 1/2"	1.05
6	17" x 10" x 8"	1.20

Sowrite Seed Sowers

Model 1923. For all seeds up to size of Sweet Peas. Price, 50c. Postpaid, 60c.
Model 1922. For all fine seeds. Price, 50c. Postpaid, 60c.

Standard Pots, Pans and Saucers

Inside measurement, width and depth equal.

	POTS			SAUCERS			BOTH		
	Ea.	Doz.	100	Ea.	Doz.	100	Ea.	Doz.	100
3 in.	\$0.05	\$0.35	\$2.50	\$0.05	\$0.30	\$2.35	\$0.08	\$0.60	\$4.35
4 in.	.07	.55	4.00	.05	.35	2.95	.10	.80	6.25
5 in.	.10	.95	7.00	.05	.50	3.90	.13	1.25	9.85
6 in.	.12	1.25	10.00	.07	.70	5.85	.17	1.75	14.00
7 in.	.20	2.25	17.50	.10	.95	7.80	.25	2.75	22.00
8 in.	.30	3.25	25.00	.12	1.25	10.72	.37	4.00	32.00
9 in.	.40	4.25		.18	1.80		.52	5.50	
10 in.	.60	6.25		.20	2.25		.75	7.50	
11 in.	1.00			.25			1.15		
12 in.	1.25			.28			1.35		
13 in.	1.35			.35			1.55		
14 in.	1.75			.45			2.00		

Positively no flower pots or saucers sent parcel post.

Bulb Pans

	Each	Doz.	100
6 in.	\$0.15	\$1.50	\$10.50
7 in. ....	.25	2.25	17.50
8 in. ....	.35	3.50	25.00
9 in. ....	.50	5.00	39.00
10 in. ....	.60	6.00	52.00
12 in.	1.00		
14 in.	1.75		

Neponset Waterproof Paper Flower Pots

These pots are nested and packed in cases of 1000 each, except 4-, 5-, and 6-inch sizes, which are put up in cases of 500 each.



	Wt. per 1000 pots	Per 100	Per 1000
2 1/4 in. pots	12	\$0.50	\$4.00
2 1/2 in. pots	16	.60	4.35
3 in. pots	24	.70	5.50
3 1/2 in. pots	34	.90	7.00
4 in. pots	46	1.15	8.50
5 in. pots	74	1.50	11.50
6 in. pots	102	2.00	15.00

Kristee Rubber Flower Pot Trays

Made of a fine grade of rubber, of attractive green color. The tray is extremely neat in appearance, absolutely water-proof and sweat-proof.

4-inch size. Weight 2 ozs.	\$0.15
6-inch size. Weight 4 ozs. ....	.25
8-inch size. Weight 10 ozs. ....	.50

Old Trusty Dog Foods

	10lbs.	25 lbs.	50lbs.	100lbs.
All Terrier Food	\$1.25	\$2.25	\$4.38	\$8.75
Top Notch	1.25	2.25	4.38	8.75
Puppy Biscuits	1.25	2.25	4.38	8.75
Dog Cakes	1.25	2.25	4.25	8.50

Baskets

VERBENA AND PANSY BASKET

With Wire Handle.

Used largely for pansies. \$20.00 per 1000; \$2.25 per 100; postage extra, 30c per 100.

FOUR-QUART VIRGINIA TILLS

For roadside containers. \$20.00 per 1000; \$2.25 per 100; postage extra, 50c per 100.

THREE-QUART MISSISSIPPI TILLS

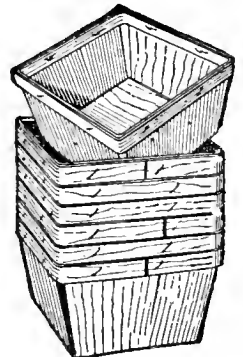
\$19.00 per 1000; \$2.10 per 100; postage extra, 35c per 100.

TWO-QUART MISSISSIPPI TILLS

\$16.00 per 1000; \$1.85 per 100; postage extra, 35c per 100.

One Quart All Wood Berry Baskets

	1000
D. G. Brand	\$8.00
Economy Brand	7.50
Close Corner (For Blueberries)	8.75
Oval Pints	7.50
All of the above \$1.00 per 100. Add 25c per 100 for postage.	



Metal Rim One Quart Berry Baskets

	100	1000
Price	\$1.00	\$7.50
Add 25c per 100 for postage.		

Oxford Oak Basket

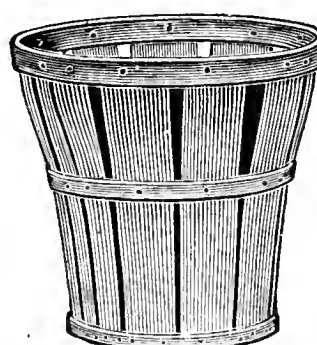
	Each
1 bushel	\$1.00
1/2 bushel, drop handle .....	.75
1/4 bushel, drop handle .....	.65

A very serviceable basket, and the 1/2 bushel is the best basket for picking peaches, as it does not bruise the fruit.

Wet Wash Clothes Basket

No.	Dimensions	Price
2	26" x 16" x 9"	\$1.55
3	28" x 18" x 10"	1.75
4	30" x 20" x 10"	2.00
5	32" x 20" x 10"	2.40

Standard Fruit Baskets



	100	1000
4 quart	\$6.00	\$56.00
8 quart	6.25	58.50
16 quart	6.50	63.00
4 qt. Veneer Bot. ..	4.50	40.00
8 qt. Veneer Bot. ..	5.00	43.50

Bale Handle Market Baskets

No.	Size	Dimensions	Price
1	1 pk.	18" x 10" x 6"	\$1.00
2	1/2 bu.	20" x 12" x 6 1/2" ..	1.10
3	3/4 bu.	23" x 13" x 7"	1.15
4	1 bu.	24" x 15" x 7 1/2" ..	1.35
5	1 1/2 bu.	25" x 16" x 8"	1.50

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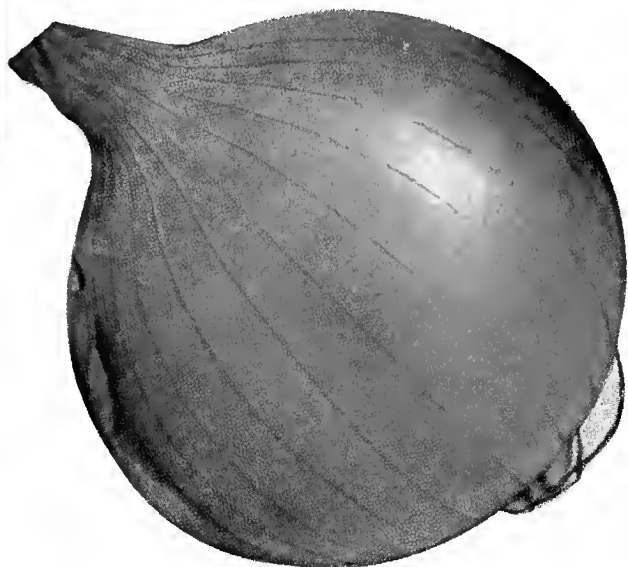
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Yellow Globe Danvers Onion

It's a popular variety, yields heavy, keeps well. Price: Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

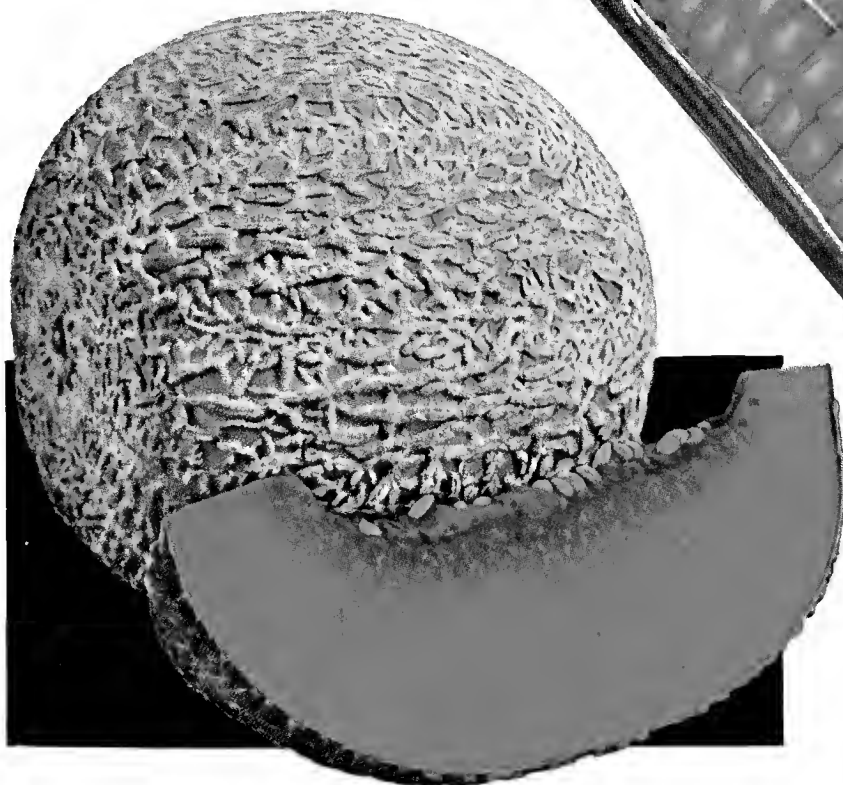
Imperator Carrot

An outstanding type bred for market and home use. Tops medium, flesh rich orange color with indistinct core. 7 to 8 $\frac{1}{2}$ inches long. 77 days from planting to bunching size and table. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.



Top Cross BANTAM Sweet Corn

Delicious flavor, medium size ear of ten and twelve rows; medium season and is free from Stewart's Bacterial Wilt disease. Price: pkt., 25c; lb., 50c.



Honey Rock Melon

Deep orange flesh with a distinct flavor different from other melons. Very productive, good for shipping and attractive appearance. Outside color light golden yellow with gray netting. Price: Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.



ROSS SEEDS

1 **Hybrid Delphinium**

From a Gold Medal strain; grows 6 to 8 feet. Double and single, includes all blues and many light shades. Pkt., 25c. See page 51.

2 **Gladiolus, Dr. Van Fleet**

Extra tall, slender plant; delicate colors, beautifully blended. Bulbs, each, 8c; doz., 70c; 100, \$5.00. See page 55.

3 **California Giant Asters**

Beautiful double flowers in a wonderful mixture of colors. Pkt., 10c; 1-16 oz., 30c; 1 lb. oz., 50c. Separate colors. See page 28.

4 **Gold Medal Dahlia-Flowered Zinnia**

Hand picked seed, includes all colors. See page 41. Pkt., 25c; 1 lb. oz., 40c; 1 1/4 oz., 75c.

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